



Awning System

markilux pergola compact

The graceful awning system that can be used as sun and wet weather protection for the patio – highly modern design with an appealing, square cassette.



[markilux.com](https://www.markilux.com)

markilux
safe timeless beautiful

Product characteristics

Wind resistance class 3

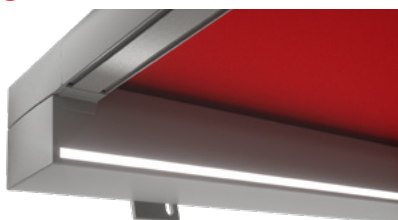
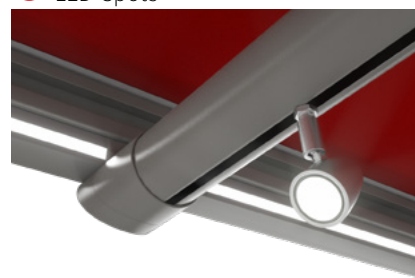
Beaufort 6 → 10.5–13.4 m/s | 38–48 km/h | 24–30 mph

01
02
03
04
05

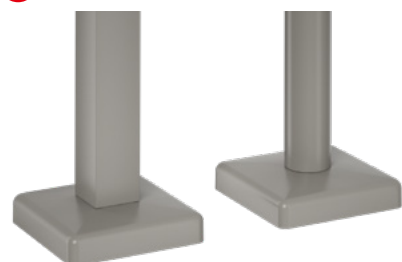
1 Face fixture



2 Available with square or round support posts

3 Adjustable post ¹⁾ manual or motor operation4 Shadeplus / drop valance ¹⁾, manual operation, during extension5 LED-Line recessed in the cassette ¹⁾6 The combination of LED-Line ¹⁾ and LED-Spots ¹⁾

7 Standard footplate covers

7 Post with stabilisation box ¹⁾8 Wall sealing profile ¹⁾¹⁾ optional configuration

Product characteristics

Description

- This awning system supported by slender posts at the front and with lateral guide tracks provides generous shade with an extension of up to 4 metres and covers an area of up to 18 m² as a single unit. Thanks to the tracfix cover guidance system, the sophisticated tensioning technology and its sturdy construction, the system can be used up to Beaufort 6 (wind resistance class 3).

Special features

- fully encompassing cassette that protects the cover perfectly
- tried and tested tensioning system with drive belts and integrated gas pistons – delivers optimum cover tension – in any phase of extension
- as standard with tracfix, the continuous lateral cover guidance system that leaves no gap between the cover and guide tracks – gives improved wind stability and a cleaner appearance
- various lighting combinations available: LED-Line in the guide tracks, LED-Line in the cassette or LED-Spots attached to the cassette, LED-Line in the cover support tube or LED-Spots fitted to the cover support tube – individually configurable lighting options which provide a pleasant atmosphere in the evening
- option of a shadeplus / drop valance with a height of 210 cm (vuscreen Alu only 150 cm) – protection against low-lying sun, wind and inquisitive glances integrated into the front profile, with manual operation
- an optional telescopic post, manual or motor operation, ensures optimised water drainage during rain, even at a low minimum pitch of 8° (depending on the extension)
- support posts optionally round or square, including footplates or stabilisation boxes for flexible installation
- can be combined perfectly with the awning systems markilux construct, markilux syncra, vertical blinds markilux 776 tracfix, markilux 876 tracfix, side screen markilux 790

Dimensions

- fixture width 72–450 cm, extension max. 400 cm
- maximum overall sizes, width × extension: 455.4 × 400 cm
- intermediate sizes are available

Roller tube and lateral bearings

- round roller tube Ø 85 mm with keyway, galvanised steel – excellent stability, ensures near perfect cover performance even at the largest widths
- the roller tube bearing is made of stainless steel

Awning profiles

- extruded aluminium, in façade quality, powder coated
- cassette profile in two pieces, angular, height × depth 125 mm × 125 mm
- guide tracks angular, rounded edges, width × depth 52 mm × 52 mm
- front profile rounded at the front, depth × height 110 mm × 52 mm, shadeplus profile depth × height 139 mm × 66 mm

Side caps

- the cassette end caps are made of die-cast aluminium, in two parts, powder coated
- the guide track end caps are made of high-quality plastic, powder coated

Fixture brackets and support posts

- extruded aluminium, powder coated
- cassette brackets: face fixture, top fixture, eaves fixture
- posts square 70 × 70 mm or round Ø 70 mm, standard height 250 cm, intermediate heights up to a maximum of 300 cm are available, fixed posts with footplate min. 36 cm and with a stabilisation box min. 60 cm in height, telescopic posts with footplate min. 157 cm and with stabilisation box min. 198 cm in height
- screw-on footplate 200 × 200 mm
- footplate cover 212 × 212 mm in one piece, height 48 mm, is made of die-cast aluminium, rounded corners
- a version of the support posts with optional stabilisation box 600 × 600 mm, height 525 mm, for versatile installation is available

N.B! For additional information and configuration options, please view the chapter “General Information” and “markilux Optional Accessories” in the volume “Vertical Blinds | Glass roof Awnings”.

01

Frame colours

02

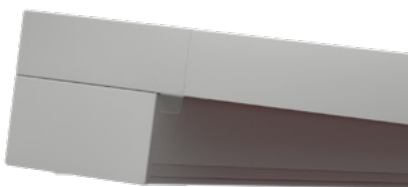
markilux awning colours without surcharge

traffic white, RAL 9016

metallic aluminium, RAL 9006

grey brown, similar to RAL 8019

03



04

05

off-white textured finish, 5233 ¹⁾stone grey metallic, 5215 ¹⁾anthracite metallic, 5204 ¹⁾Havana brown textured finish, 5229 ¹⁾

Non-standard powder-coated finish

Bespoke frame colours incur a surcharge – matt, metallic, finely textured and pearl finishes as well as other colour ranges (DB, Tiger etc.) on request. All frame colours are available at a surcharge with enhanced corrosion protection.

Colours may differ slightly from those depicted in both hue and finish.

1) textured finish

Dimensions and configuration options

Single unit


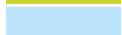
		Awning fixture width						Minimum fixture width	
		200 ¹⁾	250	300	350	400	450	Motor	Radio-controlled motor
Order dimensions		72 200	201 250	251 300	301 350	351 400	401 450		
Awning width		+ 5.4							
H	150							72	82
	200								
	250								
	300							107 ²⁾	107 ²⁾
	350								
	400								

dimensions in cm

1) = shadeplus / drop valance not available

2) = from an extension of 281 cm

H = order dimension = extension

 = optionally with a telescopic post with an adjustment range of 20 cm
 = optionally with a telescopic post with an adjustment range of 30 cm

The minimum pitch that will ensure water drainage

	extension ≤ 250 cm	extension ≥ 251 ≤ 350 cm	extension ≥ 351 cm
system with fixed posts, without shadeplus / drop valance	15°	15°	15°
system with fixed posts, with shadeplus / drop valance	18°	18°	18°
system with telescopic post, with / without shadeplus / drop valance	8°	9°	10°

Operation

	standard	optional
manual operation	—	—
hard-wired motor	✓	—
silentec motor (optionally with an external io / RTS receiver)	—	—
Radio-controlled motor io, 868 MHz	—	✓
Radio-controlled motor RTS, 433 MHz	—	✓
Radio-controlled motor RTS, 433 MHz with manual override	—	—

Coupled Awning

not available

Shadeplus

	Standard	Optional
Height depends on fabric pattern, see table "Shadeplus cover"		
Awning fixture width minimum 201 cm – maximum 450 cm		
Crank handle	✓	—
Hard-wired motor	—	—
Radio-controlled motor io, 868 MHz	—	—
Radio-controlled motor RTS, 433 MHz	—	—

Optional accessories

with telescopic post, manual operation
posts with stabilisation boxes
manual drop valance
infrared heater 2500 W
infrared heater 2500 W with integrated radio-controlled receiver 868 MHz io
wall sealing profile
LED-Line recessed in the cassette ¹⁾
LED-Spots in the cassette ¹⁾
LED-Line at the guide rails
LED-Line in the cover support tube ²⁾
LED spotlights suspended from the cover support tube ²⁾
vertical cassette blind – markilux 776 tracfix / 876 tracfix
automatic controls (light, wind, rain)

N.B! Important background information can be found in the chapter "Optional Accessories".

1) options cannot be combined.

2) options cannot be combined.

Dimensions and configuration options

Awning cover	fabric range no.	standard	optional
sunvas	301.. / 309..-315..	✓	—
sunsilk	324.. / 325.. / 328.. / 369..	✓	—
perfortex	331.. / 332..	✓	—
sunvas (250 cm)	31008, -09, -13, -16, -18, -25, 27, -28, -31, -36, -37, -57, -58, 31109, -14, -17	✓	—
transolair (250 cm)	338..	—	✓
transolair (120 cm)	339..	✓	—
sunvas (320 cm)	31008, -09	✓	—
vuscreen Alu	317..	—	✓
Soltis Perform 92	92-20..	—	✓
perla	370..	—	✓
perla FR	374.. / 375..	—	—

Shadeplus / drop valance with magnetic, articulated crank handle

Shadeplus / drop valance cover	fabric range no.	standard	optional
sunvas	309.. / 310.. / 311.. /	✓	—
sunsilk	324.. / 325.. /	✓	—
transolair	338..	—	✓
	339..	—	✓
vuscreen Alu	317..	—	✓
Soltis Perform 92	92-20..	—	✓
glass fibre screen	272..	—	—
perfortex	331.. / 332..	—	—
perla	370..	—	—
perla FR	374.. / 375..	—	—

N.B! Covers made from fabrics 120 cm wide will have a horizontal joint! Textured and flecked fabrics will take on a slightly different appearance from that of the awning cover as a result.

Awning fabrics

Fabric pattern series | Their applications and manufacture

sunvas / transolair 120 cm

Fabric width 120 cm

Fabric pattern no. 301.. / 309.. – 315.. / 339..

		Awning fixture width						
		150	200	250	300	350	400	450
AH	150							
	200							
	250							
	300							
	350							
	400							

sunsilk

Fabric width 120 cm

Fabric pattern no. 324.. / 325.. / 328.. / 369..

		Awning fixture width						
		150	200	250	300	350	400	450
AH	150							
	200							
	250							
	300							
	350							
	400							

sunvas

Fabric width 250 cm

Fabric pattern no. 31008¹⁾, -09¹⁾, -13, -16, -18, -25, -27, -28, -31, -36, -37, -57, -58 / 31109, -14 / -17

		Awning fixture width						
		150	200	250	300	320	400	450
AH	150							
	200							
	243							
	300				1)	1)	1)	
	313				1)	1)	1)	
	400				1)	1)		

1) also available in fabric width 320 cm – then seamless

transolair


Fabric width 250 cm



Fabric pattern no. 338..


		Awning fixture width						
		150	200	250	300	350	400	450
AH	150							
	200							
	243							
	300							
	350							
	400							

dimensions in cm

N.B.! Width of the outer panels in covers with vertical joints max. 35 cm

 = vertical panel joints (panel width approx. 120 cm)

 = seamless
 = horizontal panel joint(s)

 = not available
AH = unit height

Awning fabrics

Fabric pattern series | Their applications and manufacture

perfortex

Fabric width 120 cm

Fabric pattern no. 331.. / 332..

Awning fixture width

		150	200	250	300	350	400	450
AH	150							
	200							
	250							
	300							
	350							
	400							

vuscreen Alu

Fabric width 252 cm

Fabric pattern no. 317..

Awning fixture width

		150	200	250	300	350	400	450
AH	150							
	200							
	243							
	300							
	350							
	400							

glass fibre screen (cannot be used)

Fabric width 250 cm

Fabric pattern no. 272..

Awning fixture width

		150	200	250	300	350	400	450
AH	150							
	200							
	243							
	300							
	313							
	400							

Soltis Perform 92

Fabric width 177 cm

Fabric pattern no. 277..

Awning fixture width

		150	180	250	300	350	400	450
AH	150							
	180							
	243							
	300							
	350							
	400							

dimensions in cm

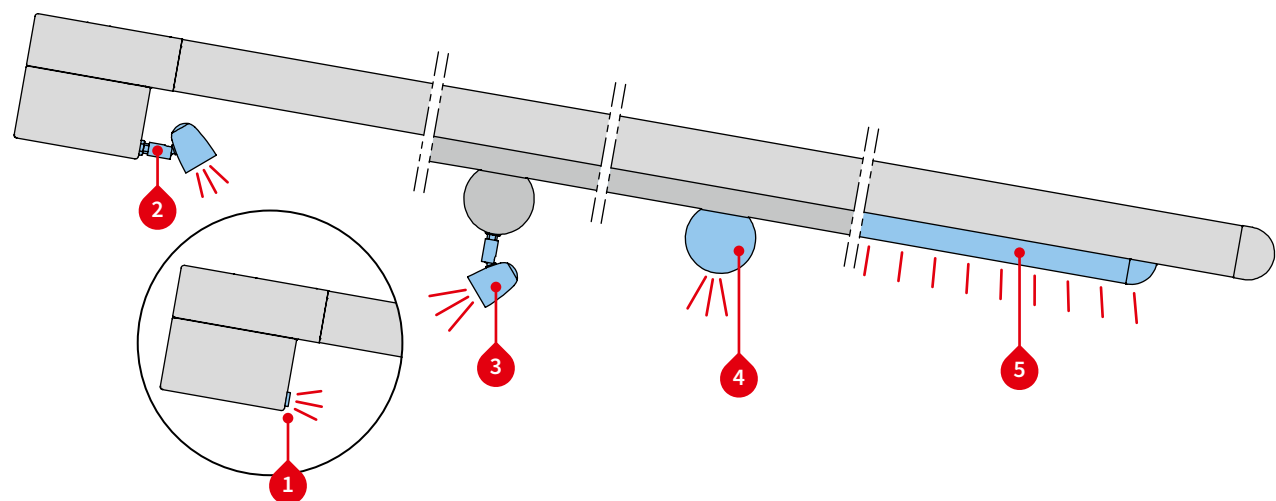
N.B.! Width of the outer panels in covers with vertical joints max. 35 cm

= vertical panel joints (panel width approx. 120 cm)

= seamless
 = horizontal panel joint(s)

= not available
 AH = unit height

Lighting options



Lighting options

- 1 LED-Line recessed in the cassette ¹⁾
- 2 LED-Spots attached to the cassette ¹⁾
- 3 LED-Spots suspended from the cover support tube ²⁾
- 4 LED-Line in the cover support tube ²⁾
- 5 LED-Line under the guide rails

For combination possibilities please view section “Dimension overview lighting options”

- 1) options cannot be combined.
- 2) options cannot be combined.

Controls

	Standard	Optional
on/off switch	—	✓
radio-controlled dimmer io, 868 MHz	✓	—
radio-controlled dimmer RTS, 433 MHz	—	✓

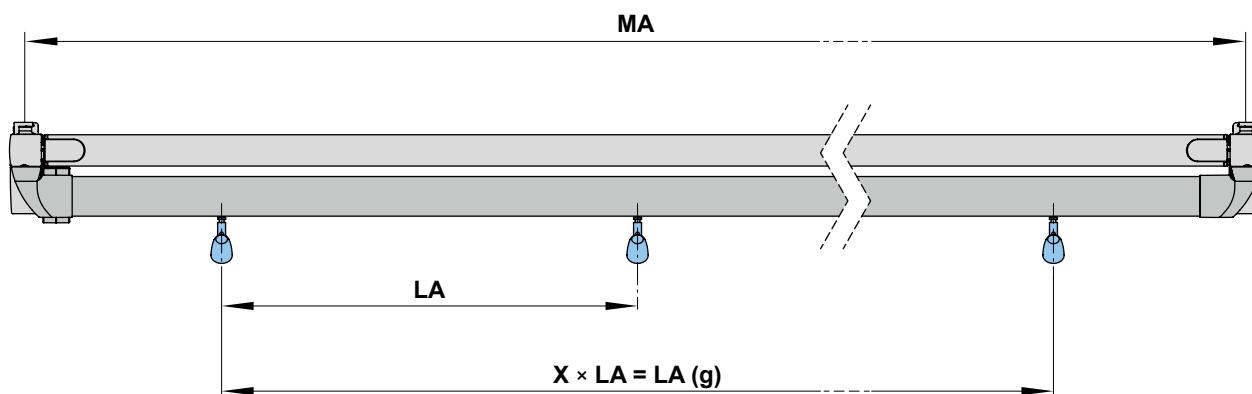
1 and 4 and 5 LED-Line recessed in the cassette and fitted to the guide tracks

Technical specification

Operating voltage	230 V, 50 Hz
power output per metre	10 W
Light source	LED (12 V)
number of LEDs	120 units / m
Number of transformers	1 unit
Light temperature	warm white
IP protection class	IP 44
Service life	approx. 15.000 h

Distribution of the LED spotlights

2 and 3 attached to the cassette and to the cover support tube



awning fixture width	no. of spotlights	LA	LA (g)
150–250	3	65	130
251–300	3	98	196
301–350	3	98	196
351–400	4	98	294
401–450	4	98	294

2 and 3 LED-Spots attached to the cassette and to the cover support tube

Technical specification

Operating voltage	230 V, 50 Hz
Power output of one LED spotlight	5 W
Light source	LED (12 V)
Number of transformers	1 unit
Light temperature	warm white
IP protection class	IP 44
Service life	approx. 20.000 h

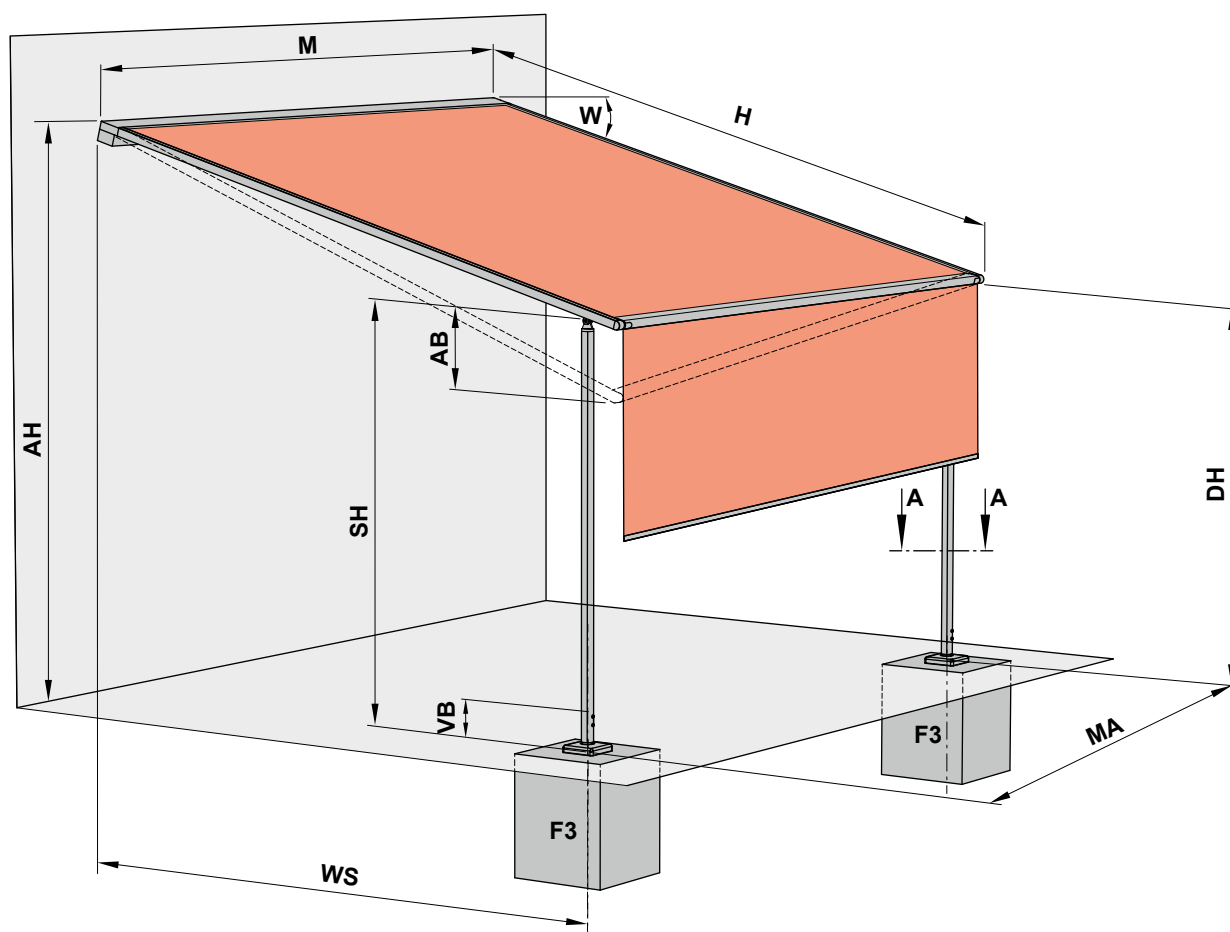
LA (g) = distance between the spotlights (total)

MA = order dimension = awning fixture width = fixture width

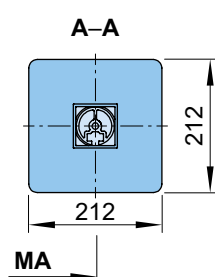
dimensions in cm

Overview of dimensions

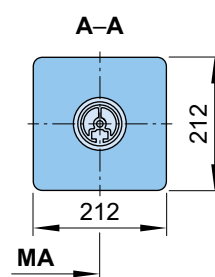
Support post fixture to a concrete footing



Square posts



Round posts



AB = adjustment range of a post 200 or 300 mm.
optionally on the left / right, see "Dimensions and configuration options"

AH = fixture height

DH = headroom

F3 = concrete foundation – please view section "Concrete foundations"

H = *order dimension* = extension

M = overall awning width = MA + 54 mm

MA = *order dimension* = awning fixture width

SH = order dimension = post height post height, standard height 2500 mm (bespoke heights on request, see "Post dimensions")

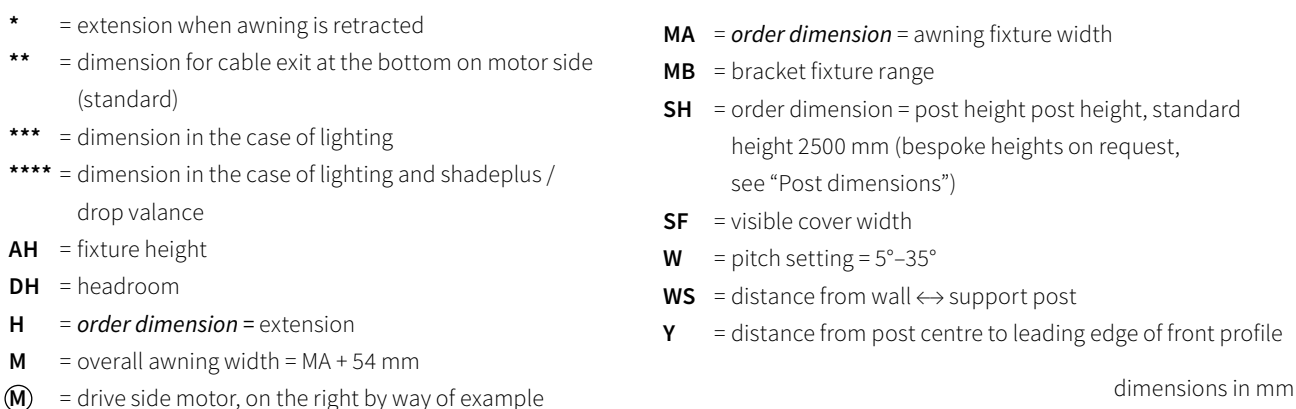
VB = height adjustment at the base of both the front support posts during installation approximately 100 mm

W = pitch setting = 5°–35°

WS = distance from wall ↔ support post

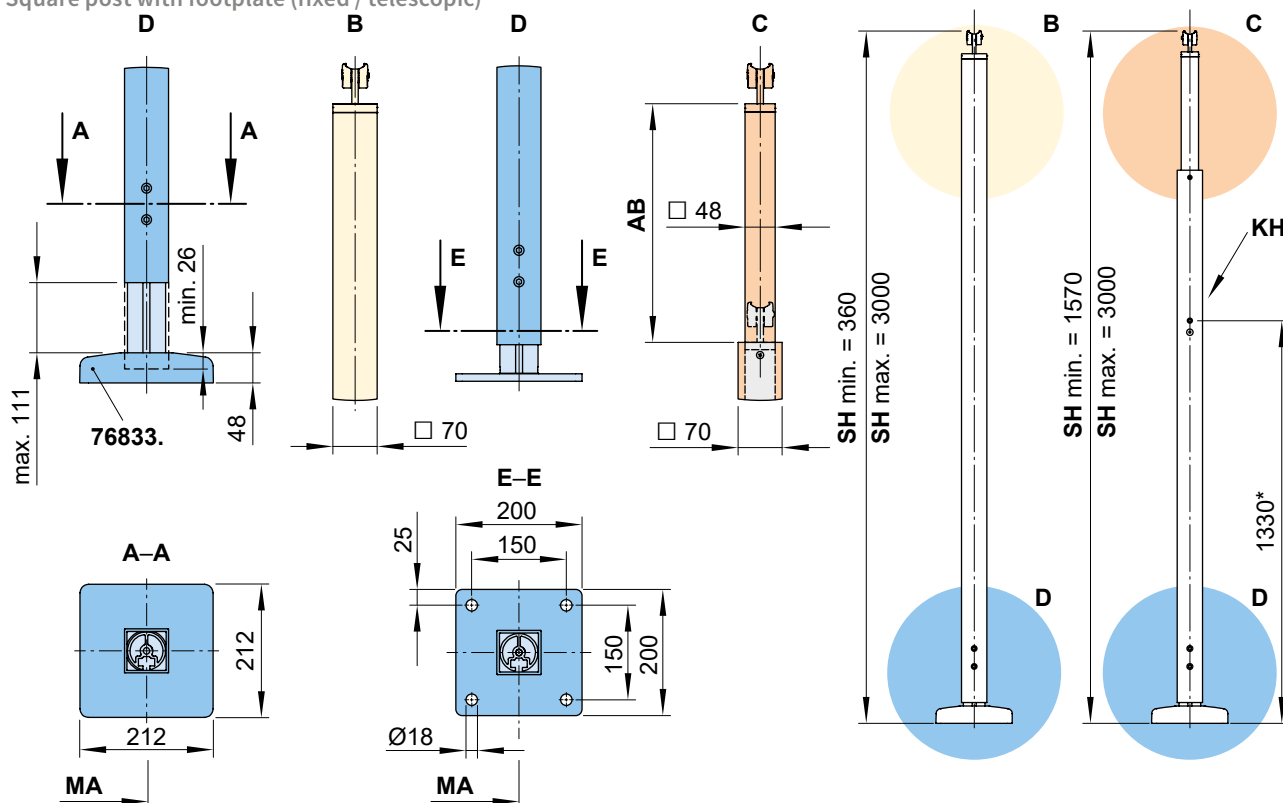
dimensions in mm

01
02
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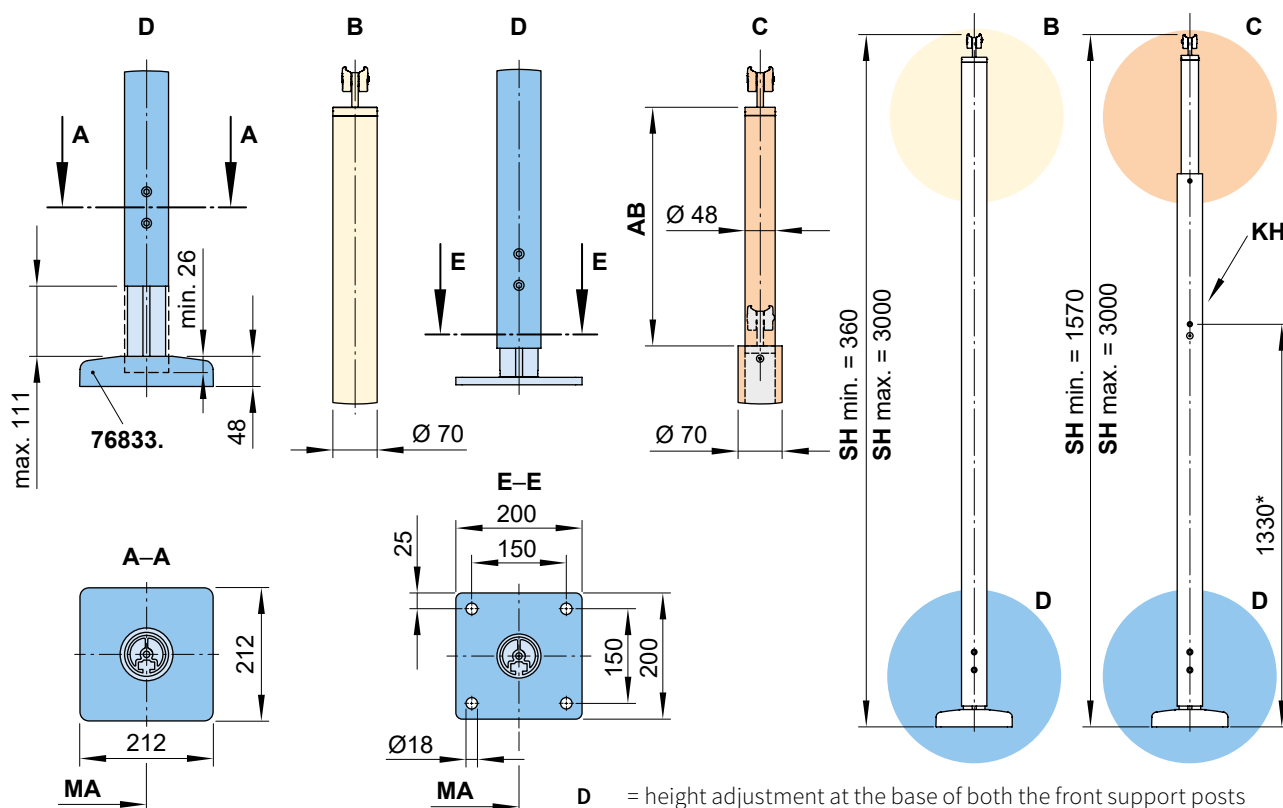


Post dimensions

Square post with footplate (fixed / telescopic)



Round post with footplate (fixed / telescopic)



* = dimensions at the standard height

AB = telescopic range of a post 200 mm or 300 mm see "Dimensions and configuration options"

B = support post without manual adjustment option

C = support post with manual adjustment option

D = height adjustment at the base of both the front support posts during installation approximately 100 mm

MA = **order dimension** = awning fixture width

KH = winch handle socket

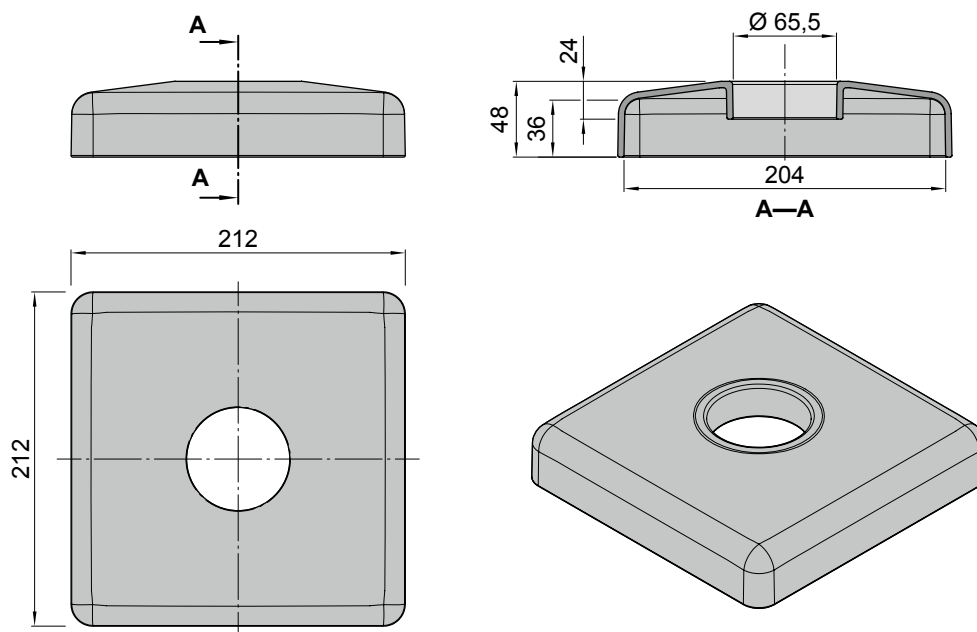
SH = **order dimension** = post height, standard height 2500 mm (bespoke heights on request)

dimensions in mm

01
02
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04
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Footplate cover

76833.

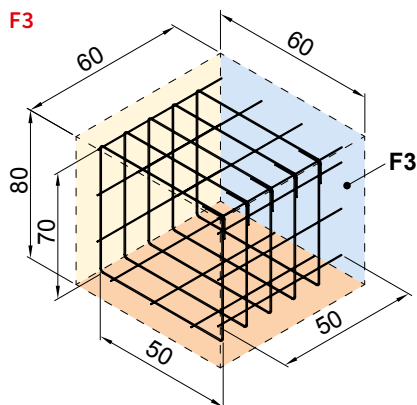


dimensions in mm

Concrete foundations

To be supplied on site:

Concrete foundations with a compressive strength complying with C25/30 (previously B25) with reinforcement cage made of 6 pieces of rebar matting Ø 6 mm.

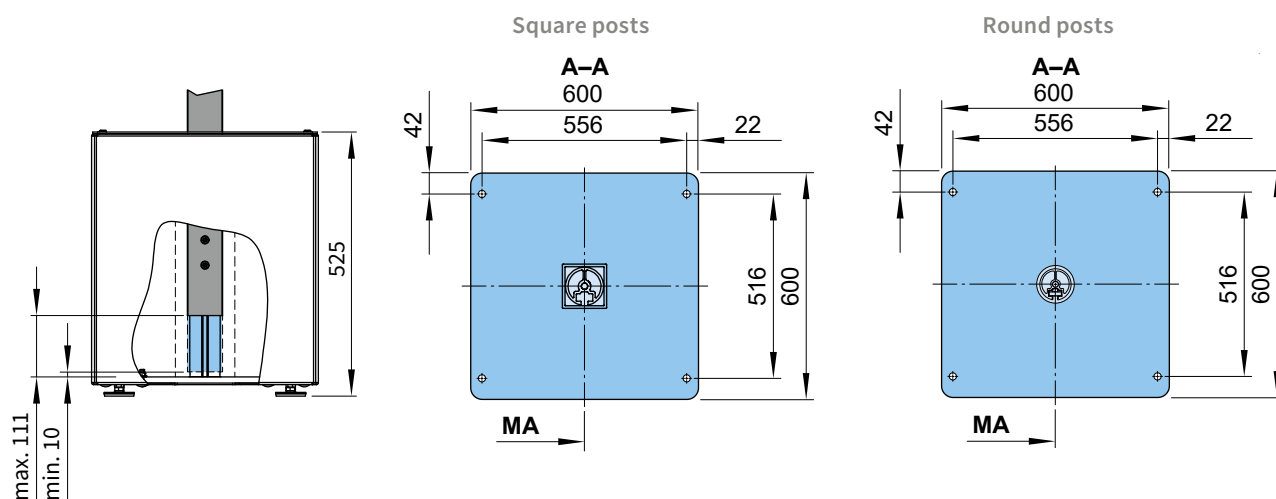
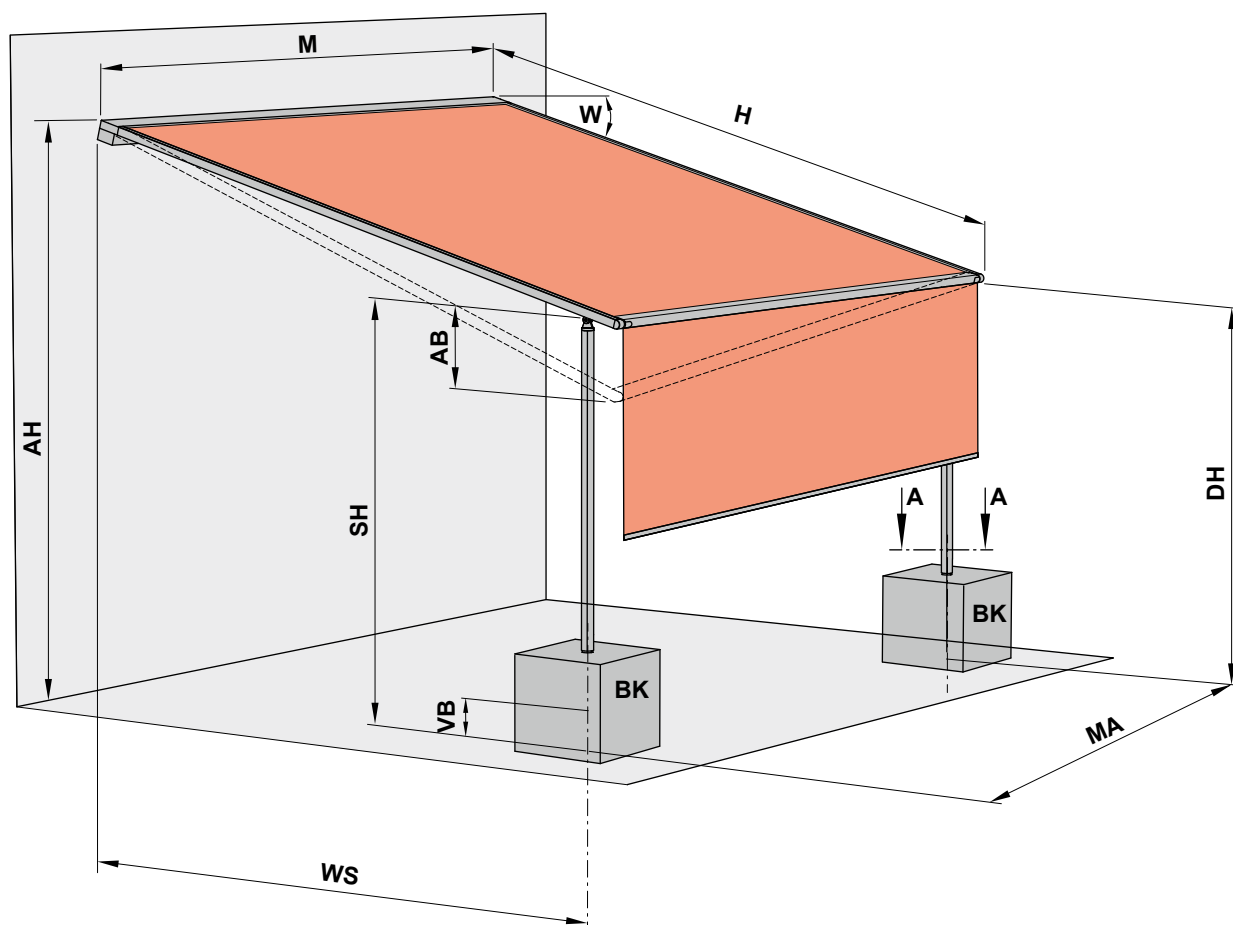


The footplates (F3) are to be fitted to the concrete footings using Fischer marine-grade stainless steel anchor bolts (FAZ 10/30 and washers certified to DIN 9021 (or equivalent)).

dimensions in cm

Overview of dimensions

Posts with stabilisation boxes



Fill each of the stabilisation boxes on site with at least 150 kg of sand, gravel or pebbles.

AB = adjustment range of a post 200 or 300 mm.
optionally on the left / right, see “Dimensions and configuration options”

AH = fixture height

BK = stabilisation box

DH = headroom

H = *order dimension* = extension

M = overall awning width = MA + 54 mm

MA = order dimension = awning fixture width = fixture width

SH = *order dimension* = support post height
(bespoke heights on request, see “Post dimensions”)

VB = height adjustment at the base of both the front support posts during installation approximately 100 mm

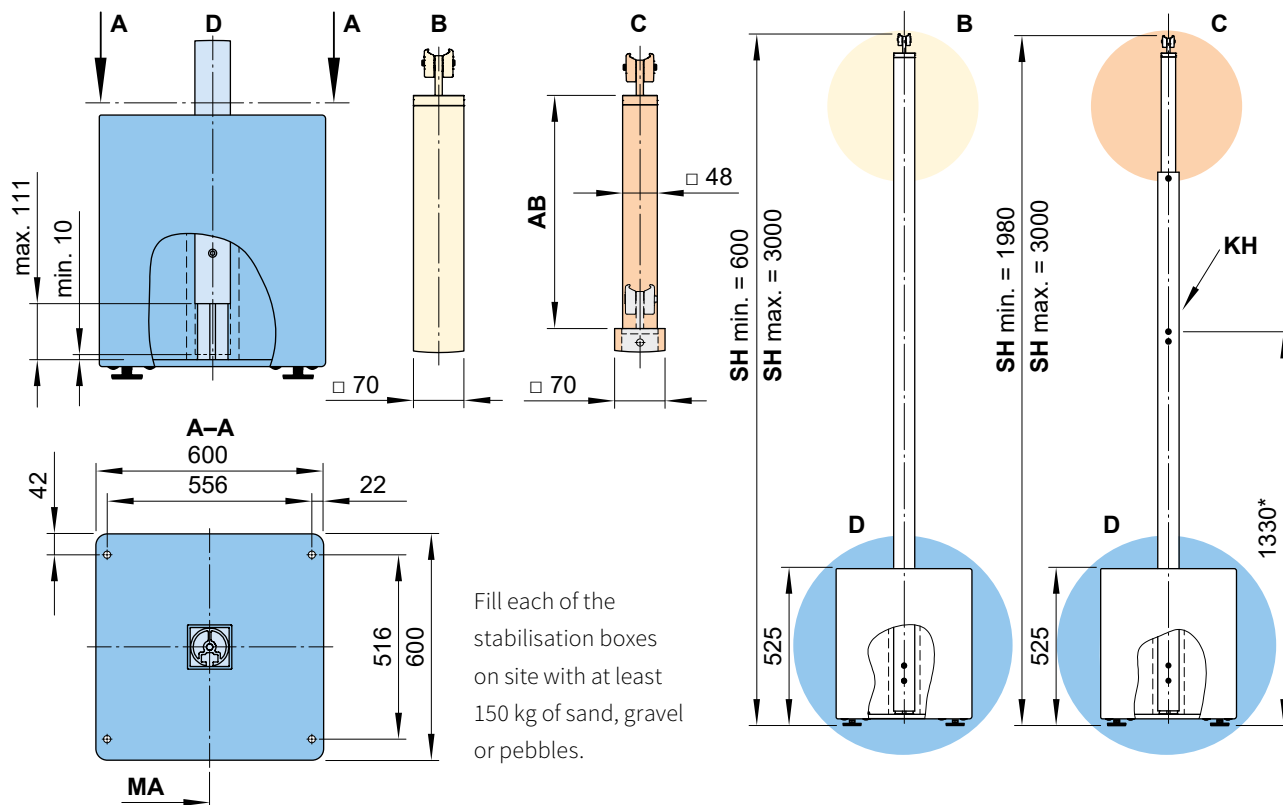
W = pitch setting = 5°–35°

WS = distance from wall ↔ support post centre

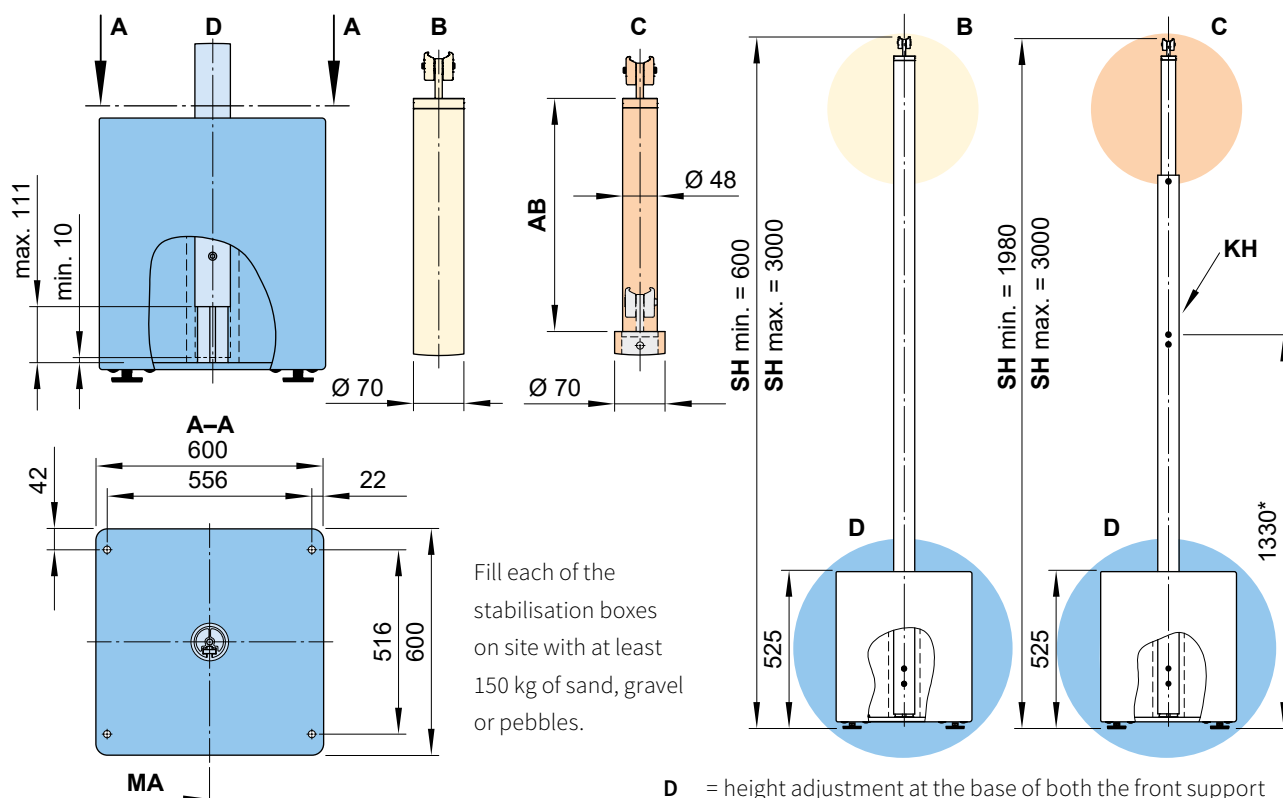
dimensions in mm

Post dimensions

Square support post with footplate (fixed / telescopic)



Round support post with stabilisation box (fixed / telescopic)



* = dimensions at the standard height

AB = telescopic range of a post 200 mm or 300 mm see "Dimensions and configuration options"

B = support post without manual adjustment option

C = support post with manual adjustment option

D = height adjustment at the base of both the front support posts during installation approximately 100 mm

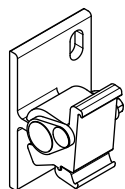
MA = order dimension = awning fixture width = fixture width

KH = winch handle socket

SH = *order dimension* = post height, standard height 2500 mm (bespoke heights on request)

dimensions in mm

Fixtures, fittings and accessories

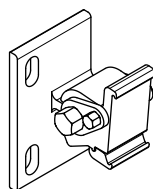


face fixture bracket
cassette

left

pitch adjustment range
from 5°–35°

71153.

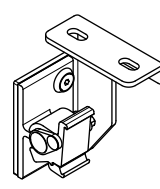


face fixture bracket
cassette

right

pitch adjustment range
from 5°–35°

71154.

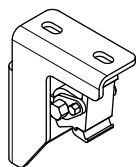


top fixture bracket
cassette

left

pitch adjustment range
5°–35°

71157.

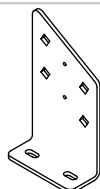


top fixture bracket
cassette

right

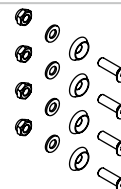
pitch adjustment range
5°–35°

71158.



eaves fixture bracket

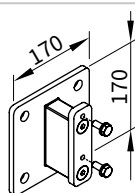
77010.



accessories

for two eaves fixture
brackets 77010.

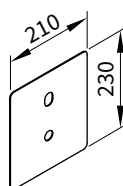
767281



stand-off brackets for face
fixture brackets 71153.,
71154. and 71844.

length min. 80 mm up to
max. 300 mm

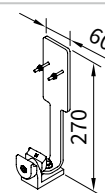
77956.



cover plate for installation
with stand-off bracket
77956. in the case of
external insulation

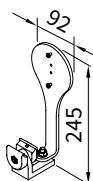
210 × 230 mm

71844.



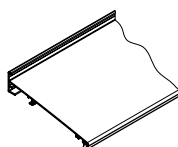
bracket
sun-/ wind or rain sensor

76050.



bracket
bracket for sun and/or
wind sensor io

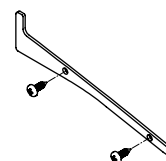
76723.



wall sealing profile incl.
brush seal

by the metre

76385. and 704241



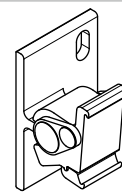
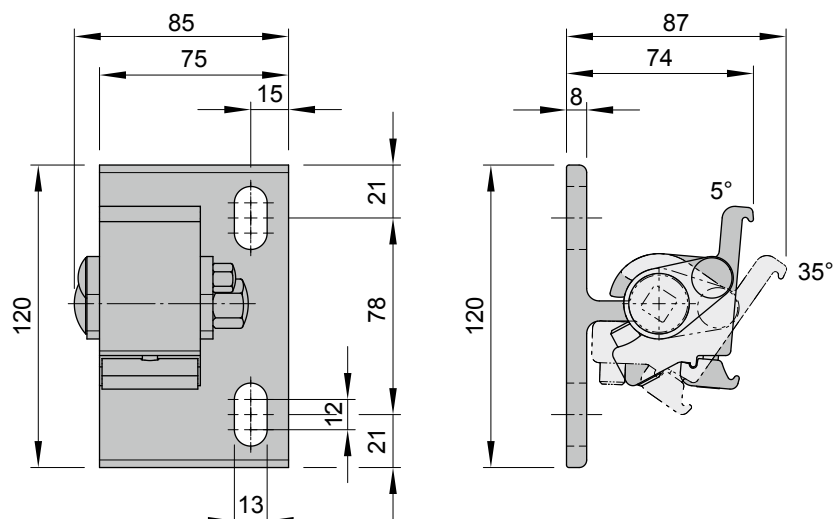
1 side plate including
2 pan-head self-tapping
screws for wall sealing
profile

76386. and 2 × 735611

01
02
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04
05

Face fixture

Face fixture cassette bracket, left



face fixture bracket
cassette

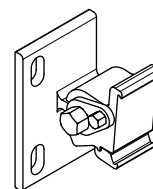
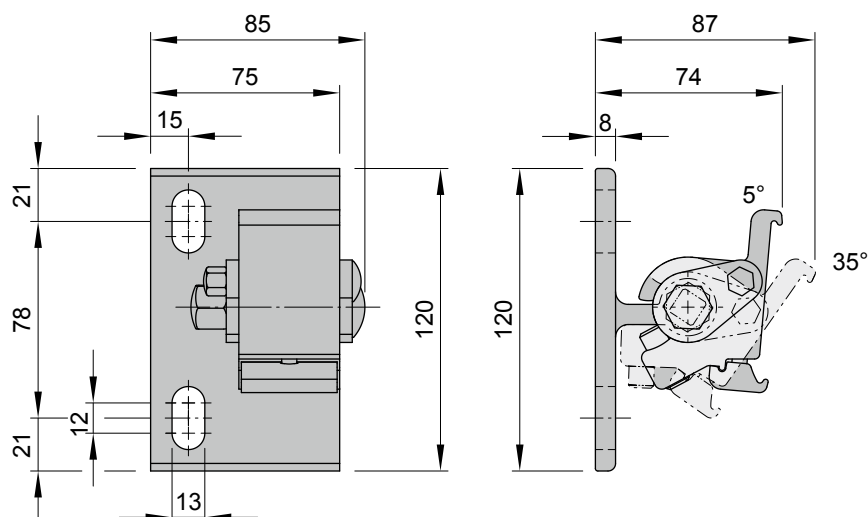
left

5°–35°
pitch adjustment range

71153.

dimensions in mm

Face fixture cassette bracket, right



face fixture bracket
cassette

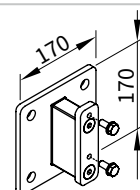
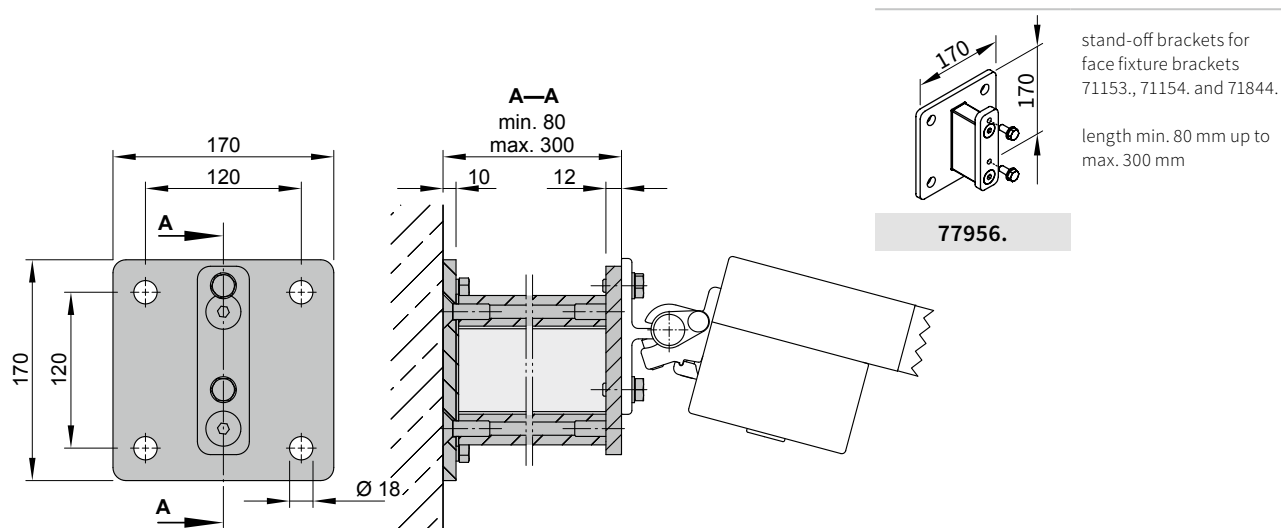
right

5°–35°
pitch adjustment range

71154.

dimensions in mm

Face fixture using stand-off brackets



stand-off brackets for
face fixture brackets
71153., 71154. and 71844.

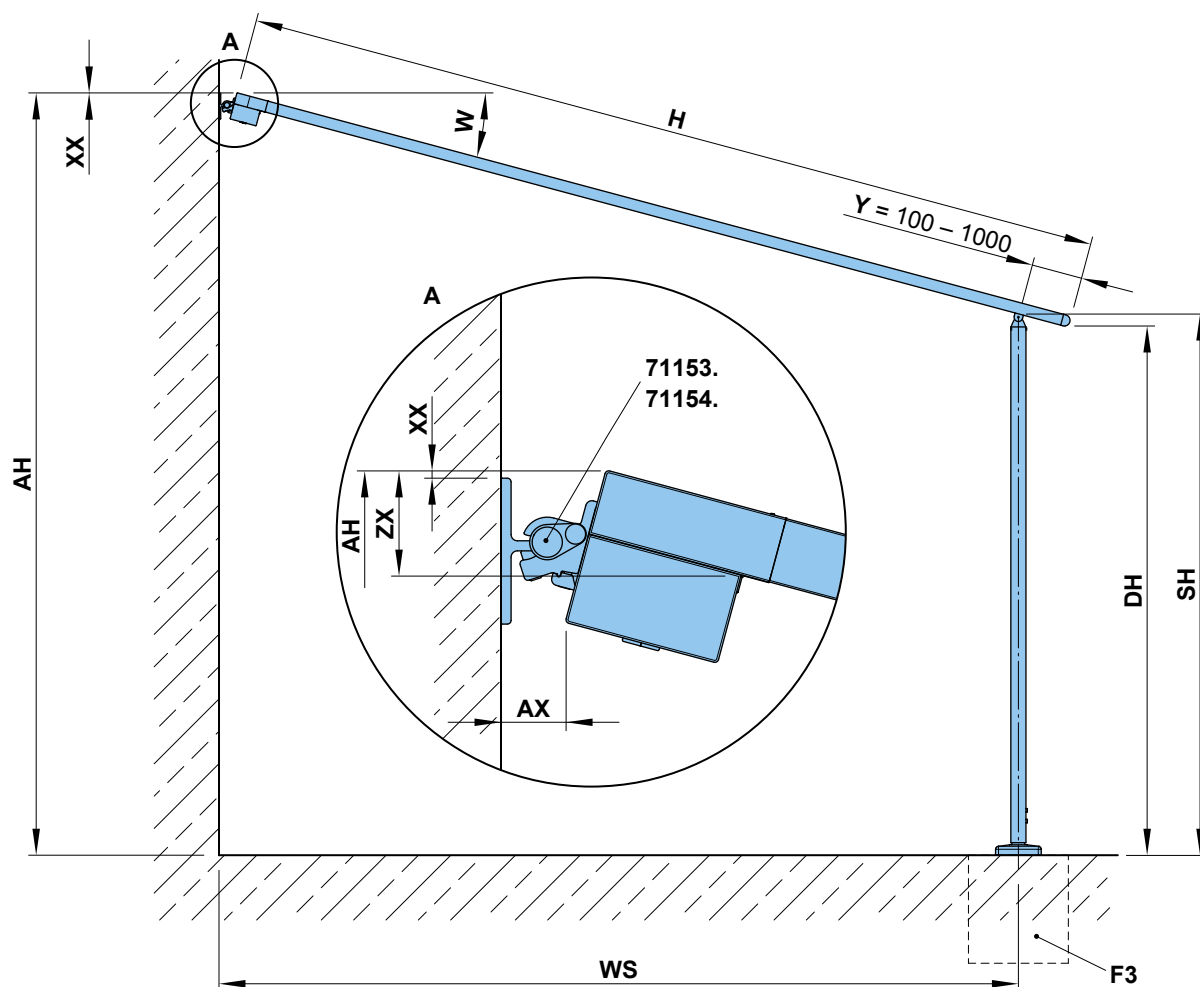
length min. 80 mm up to
max. 300 mm

77956.

dimensions in mm

Face fixture

Dimension overview of support post with footplate



W	AX	XX	ZH
5°	62	9	64
10°	57	6	74
15°	52	-2	84
20°	46	-3	93
25°	41	-8	101
30°	35	-13	109
35°	30	-18	115

71153. = face fixture cassette bracket, left

71154. = face fixture cassette bracket, right

AH = fixture height = $SH + ZH + \sin W \times (H - Y)$

AX = distance from wall \leftrightarrow cassette

DH = headroom = $SH - \sin W \times Y$

F3 = concrete foundation – please view section “Concrete foundations”

H = *order dimension* = extension

SH = *order dimension* = $AH - ZH - \sin W \times (H - Y)$

W = pitch (measured from the horizontal)

WS = distance from wall \leftrightarrow support post centre = $\cos W \times (H - Y) + AX$

Y = distance from post centre to leading edge of front profile min. 100 mm up to max. 1000 mm

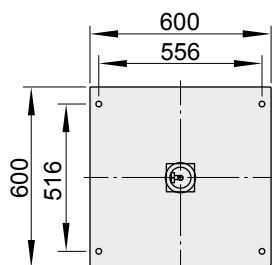
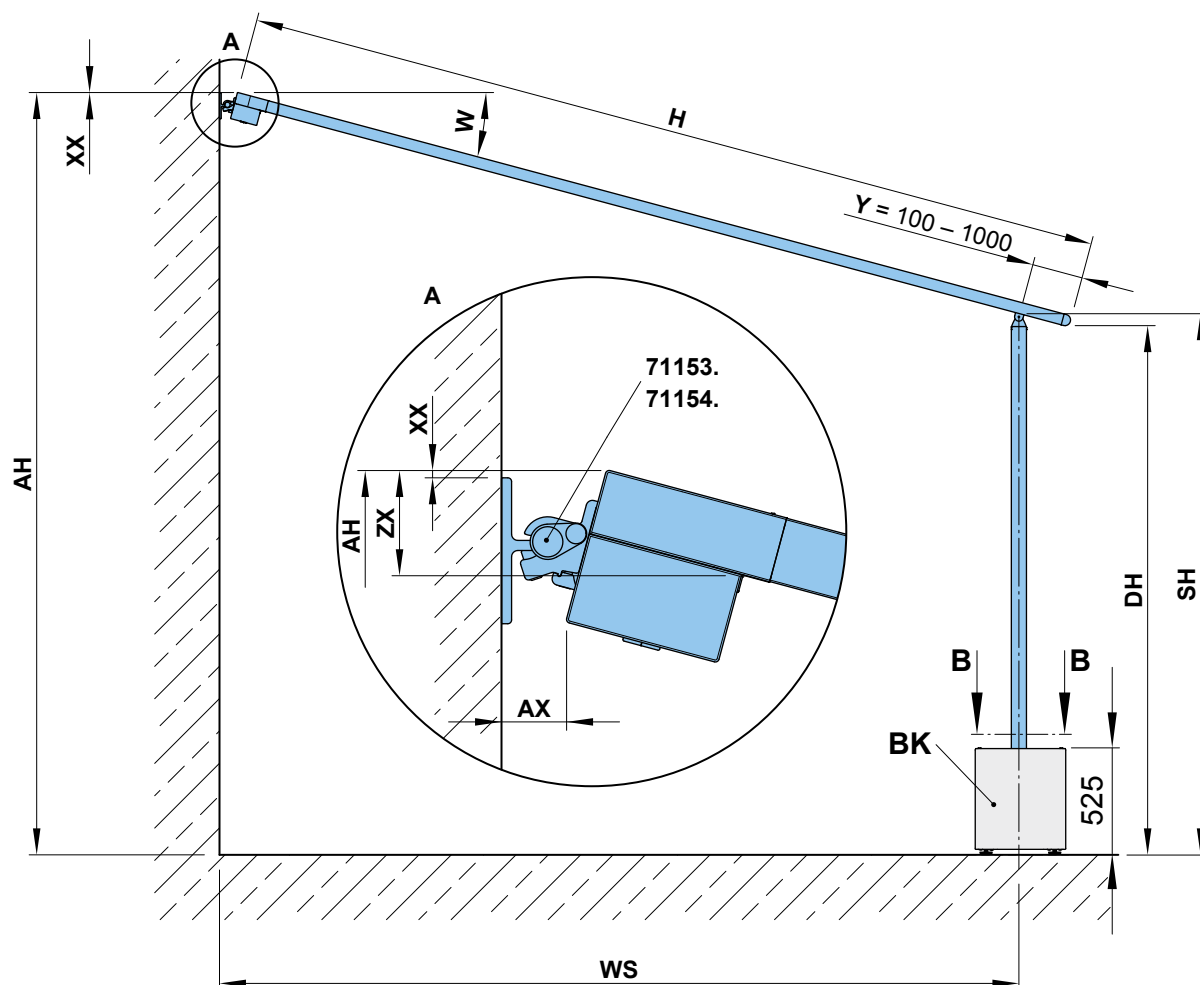
XX = distance from the top edge of the fixture bracket to the top edge of the cassette (see table)

ZH = distance upper edge cassette – bottom edge of guide track

dimensions in mm

Face fixture

Dimension overview of support post with stabilisation box



B-B

Fill each of the stabilisation boxes on site with at least 150 kg of sand, gravel or pebbles.

W	AX	XX	ZX
5°	62	9	64
10°	57	6	74
15°	52	-2	84
20°	46	-3	93
25°	41	-8	101
30°	35	-13	109
35°	30	-18	115

71153. = face fixture bracket cassette, pitch adjustment 5° to 35°, left

71154. = face fixture bracket cassette, pitch adjustment 5° to 35°, right

AH = fixture height = $SH + ZX + \sin W \times (H - Y)$

AX = distance from wall \leftrightarrow cassette

BK = stabilisation box

DH = headroom = $SH - \sin W \times Y$

H = *order dimension* = extension

SH = *order dimension* = $AH - ZX - \sin W \times (H - Y)$

W = pitch (measured from the horizontal)

WS = distance from wall \leftrightarrow support post centre = $\cos W \times (H - Y) + AX$

Y = distance from post centre to leading edge of front profile min. 100 mm up to max. 1000 mm

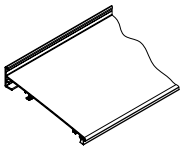
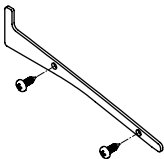
XX = distance from the top edge of the fixture bracket to the top edge of the cassette (see table)

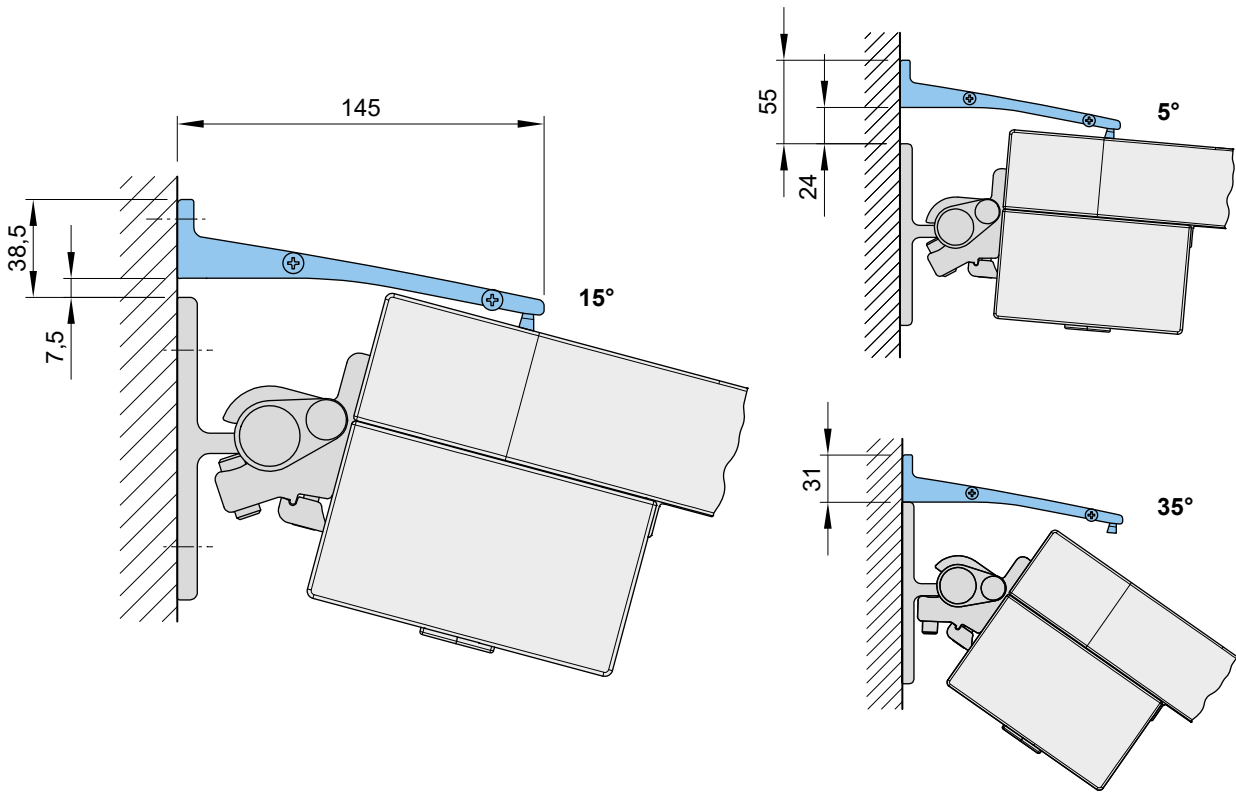
ZX = distance upper edge cassette – bottom edge of guide track

dimensions in mm

Dimension overview with wall sealing profile

Face fixture, various pitch positions

 <p>wall sealing profile incl. brush seal</p> <p>by the metre</p>	 <p>1 side plate including 2 pan-head self-tapping screws for wall sealing profile</p>
76385. and 704241	76386. and 2 × 735611



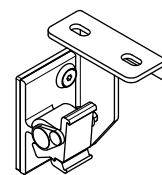
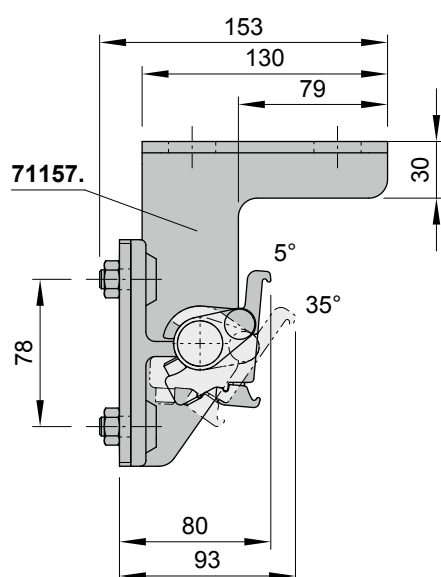
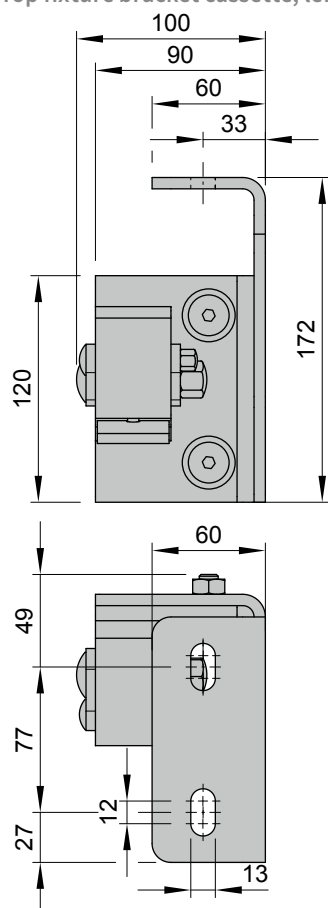
76385. = Wall sealing profile (standard width = awning fixture width (MA) + 46 mm)

dimensions in mm

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Top fixture

Top fixture bracket cassette, left



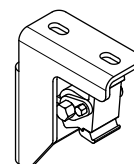
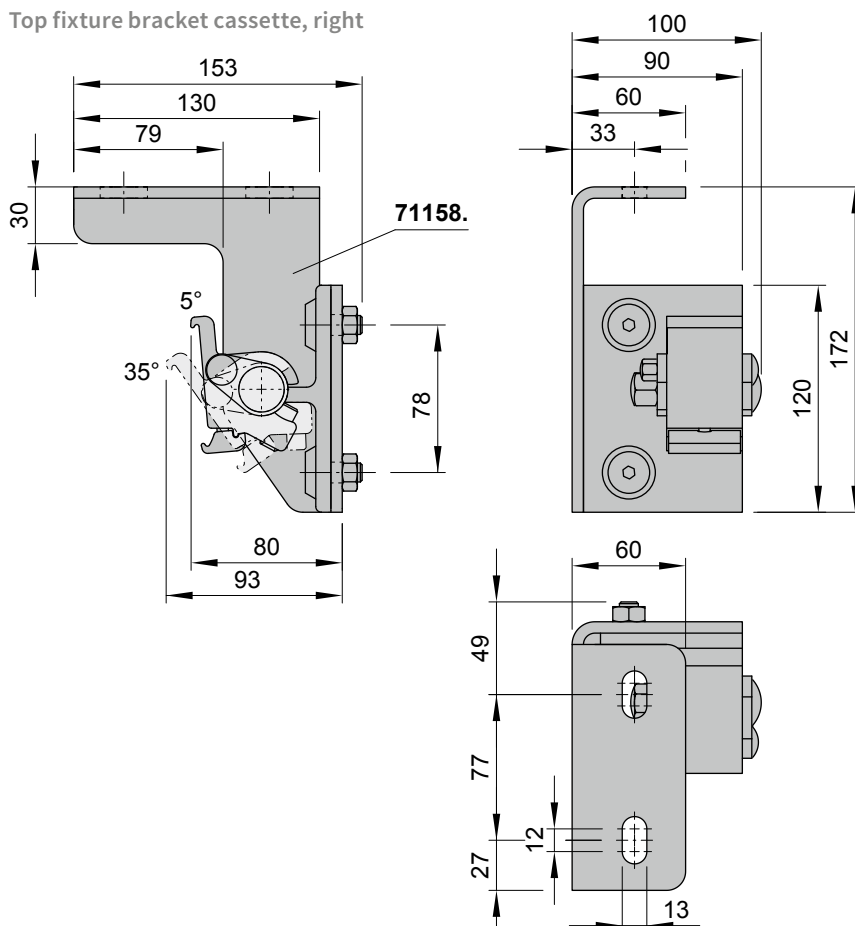
top fixture bracket
cassette

left

pitch adjustment range
5°–35°

71157.

Top fixture bracket cassette, right



top fixture bracket
cassette

right

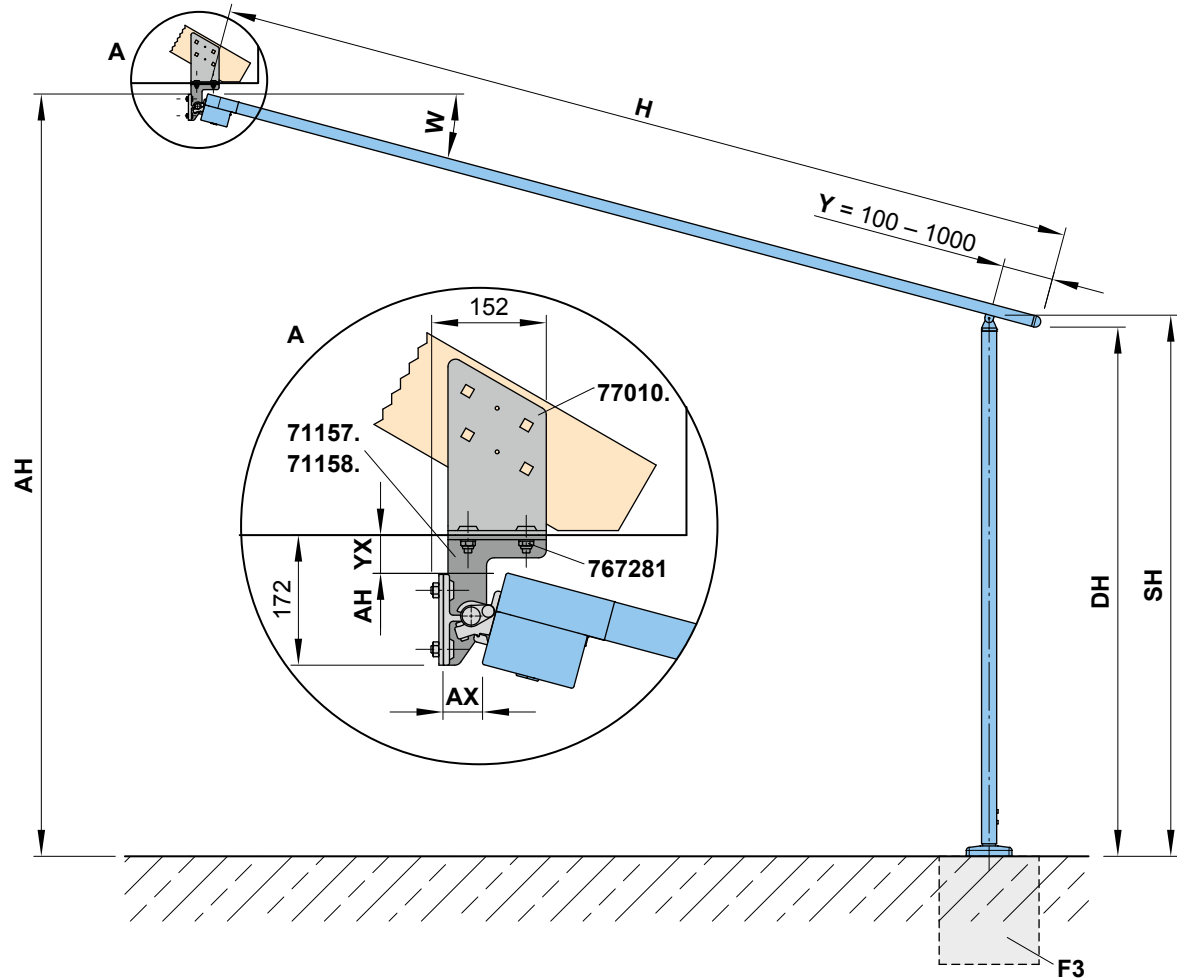
pitch adjustment range
5°–35°

71158.

dimensions in mm

Top and eaves fixture

Dimension overview of support post with footplate



W	AX	YX
5°	62	40
10°	57	43
15°	52	51
20°	46	52
25°	41	57
30°	35	62
35°	30	67

767281 = accessories for two eaves fixture brackets 77010.

77010. = eaves fixture bracket

71157. = face fixture bracket cassette, pitch adjustment 5° to 35°, left

71158. = top fixture bracket cassette, pitch adjustment 5° to 35°, right

AH = fixture height = $SH + ZX + \sin W \times (H - Y)$

AX = distance from wall \leftrightarrow cassette

DH = headroom = $SH - \sin W \times Y$

F3 = concrete foundation – please view section “Concrete foundations”

H = *order dimension* = extension

SH = support post height, standard height 2500 mm (special heights on request) = $AH - ZX - \sin W \times (H - Y)$

W = pitch (measured from the horizontal)

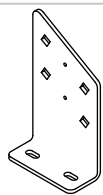
Y = distance from post centre to leading edge of front profile min. 100 mm up to max. 1000 mm

YX = distance from wall \leftrightarrow cassette (see table)

dimensions in mm

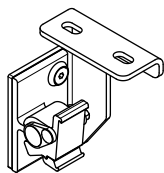
Eaves fixture

Eaves fixture bracket (left, by way of example)



eaves fixture
bracket plate

77010.

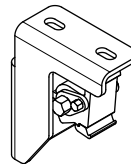


top fixture bracket
cassette

left

pitch adjustment range
5°–35°

71157.

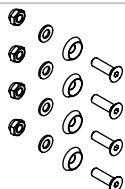


top fixture bracket
cassette

right

pitch adjustment range
5°–35°

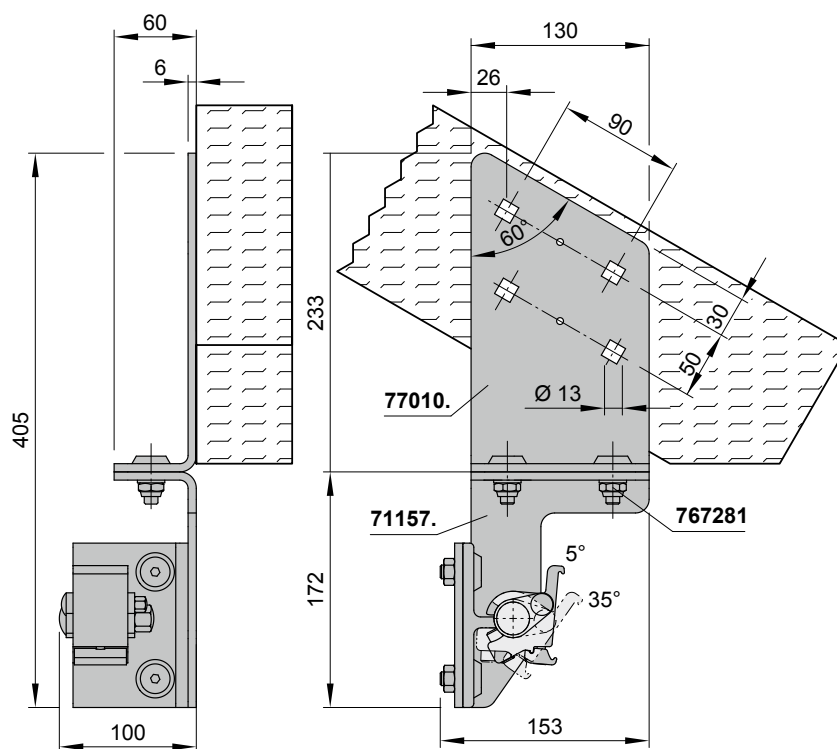
71158.



accessories

for two eaves fixture
brackets 77010.

767281



dimensions in mm

Telescopic, motor-driven post

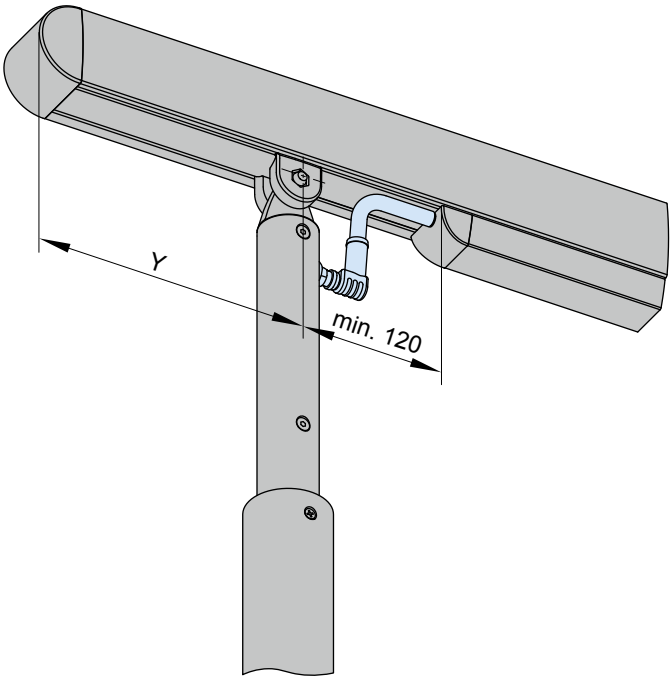
01

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- Minimum post height: 1970 mm
- Motor cable, black
- The LED Line profiles are always fitted to all guide tracks of the markilux pergola to give a harmonious look
- The awning may only be retracted or extended if the front profile is horizontal, in other words, the post must not be in the lowered position.
- The shadeplus (optional) may only be operated when the post is not in the lowered position. It may only be operated when the front profile is horizontal.

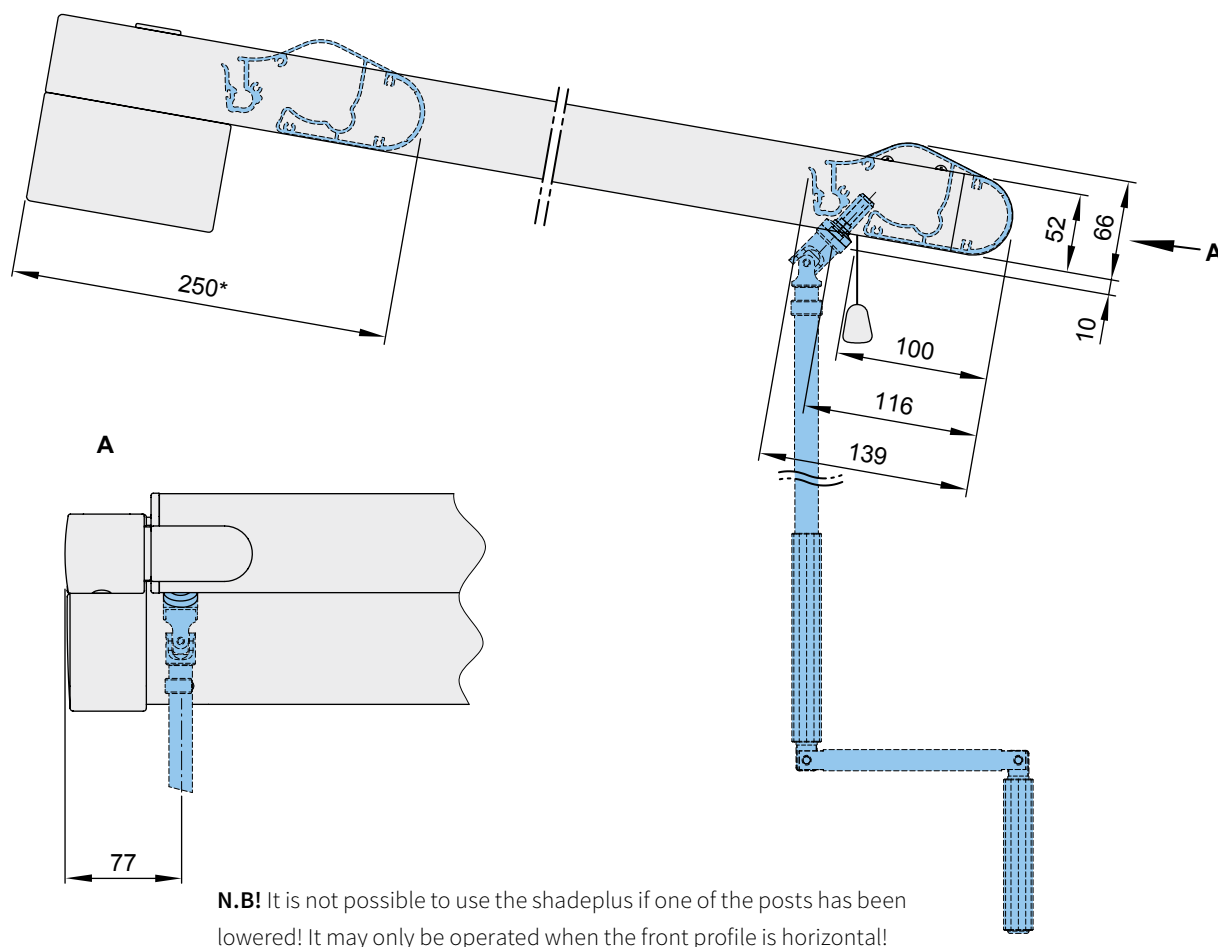
Controls	Standard Optional	
Hard-wired motor	✓	—
Radio receiver Somfy Slim Plug io (8271254)	—	✓
Radio receiver Universal Slim Receiver RTS Plug (8272148)	—	✓

Technical details Hard-wired motor	
Power supply	230 V DC
Power output	110 W
Protection class	IP 44

Y = distance from post centre to leading edge of front profile

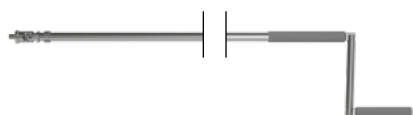
Dimension overview, shadeplus

Magnetic, articulated crank handle ¹⁾



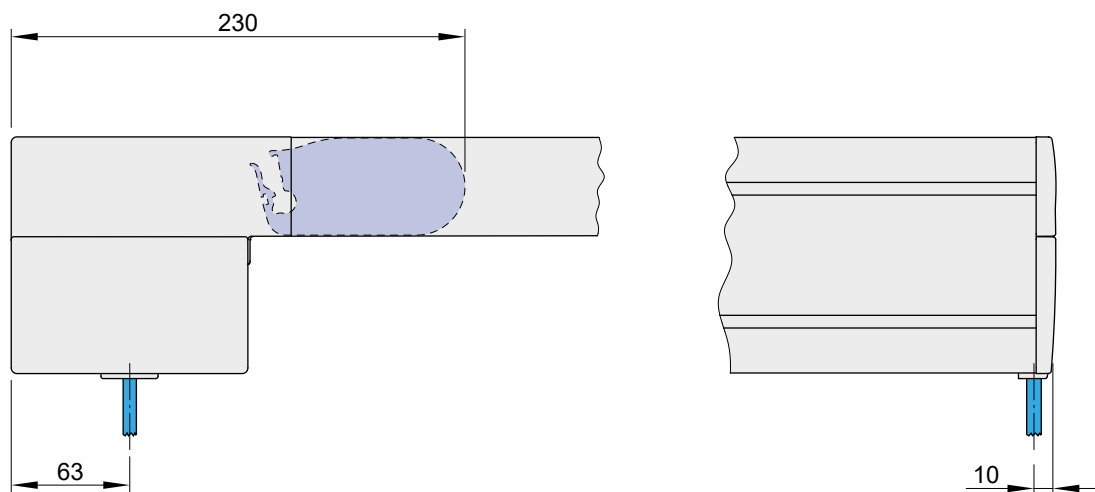
N.B! It is not possible to use the shadeplus if one of the posts has been lowered! It may only be operated when the front profile is horizontal!

* = dimension with the awning retracted



Magnetic, articulated crank handle for manual operation of the shadeplus / drop
valance lengths: standard 120 cm, optional 160 cm, from 160 cm up to max. 280 cm on
request (order no. 74271.)

Motor cable exit point ¹⁾

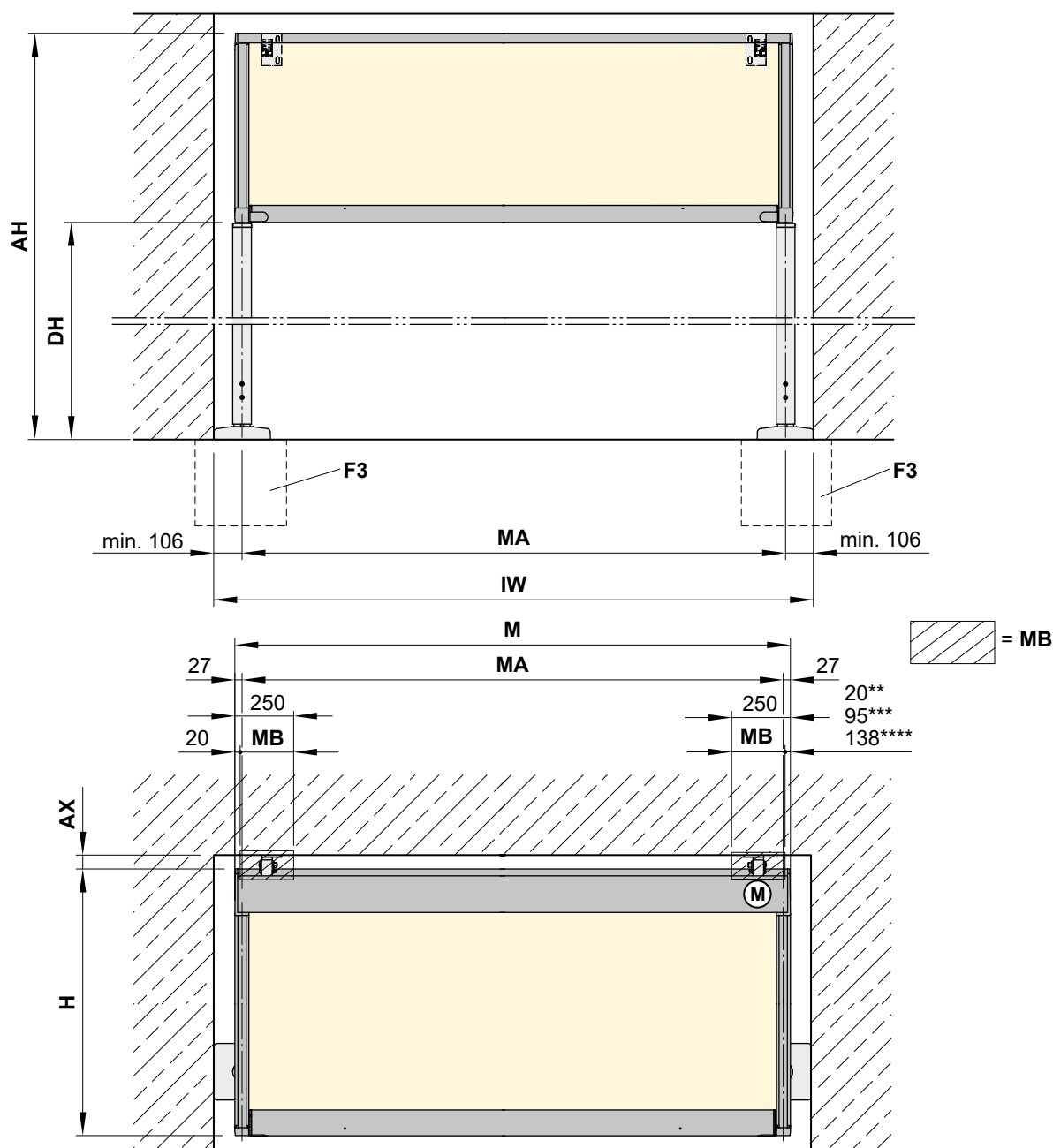


1) depending on the operation side, right or left

dimensions in mm

Overview of dimensions

Reveal fixture



** = dimension for bottom cable exit on motor side (optional)

*** = dimension in the case of lighting

**** = dimension in the case of lighting and shadeplus / drop valance

AH = fixture height

AX = distance from wall ↔ cassette

DH = headroom

F3 = concrete foundation – please view section “Concrete foundations”

H = *order dimension* = extension

HT = bracket

M = overall awning width = MA + 54 mm

Ⓜ = drive side motor, on the right by way of example

MA = order dimension = awning fixture width = fixture width

MB = bracket fixture range

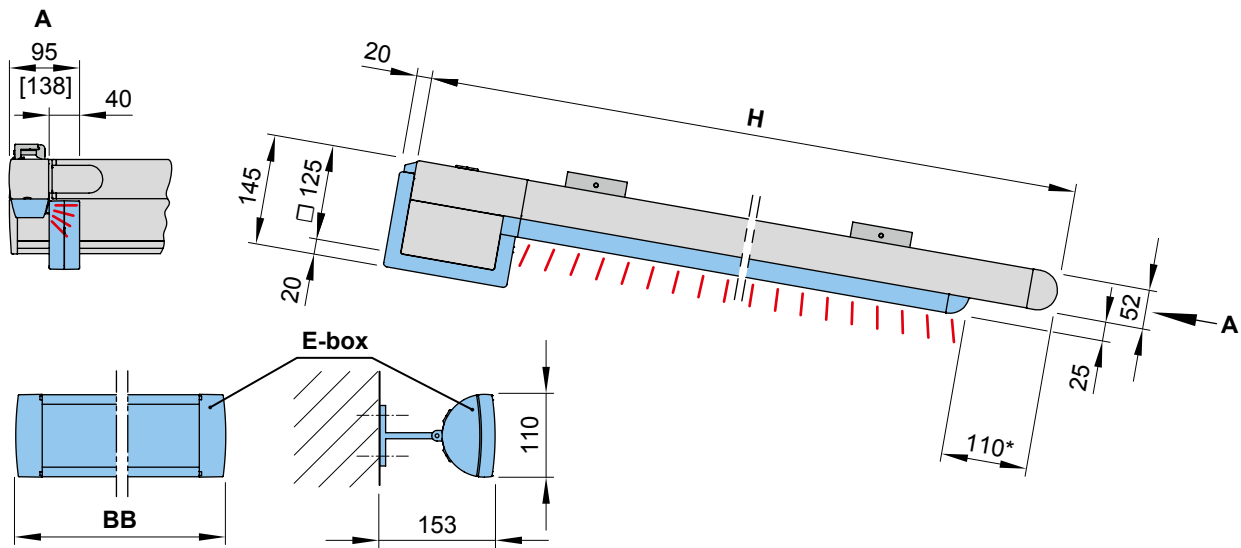
IW = reveal width

N.B! In the case of reveal fixture a distance of at least 106 mm must be left free on each side of the awning.

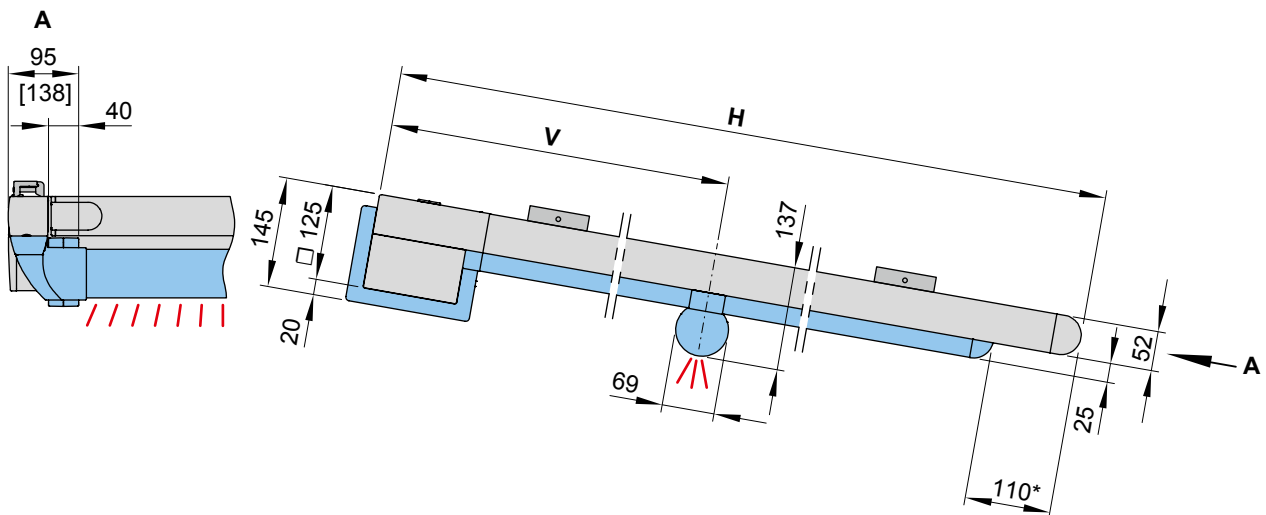
dimensions in mm

Dimension overview with the various lighting options

Option 1: LED-Line in the guide tracks, electronic components in an E box



Option 2: LED-Line in the cover support tube, electronic components in the cover support tube



* = standard dimension

[...] = dimension in the case of lighting and shadeplus / drop valance

BB = order width

E-box = see section "E-box"

H = *order dimension* = extension

T = indent dimension LED-Line

V = distance from the rear of the cassette to the centre of the (rear) cover support tube.

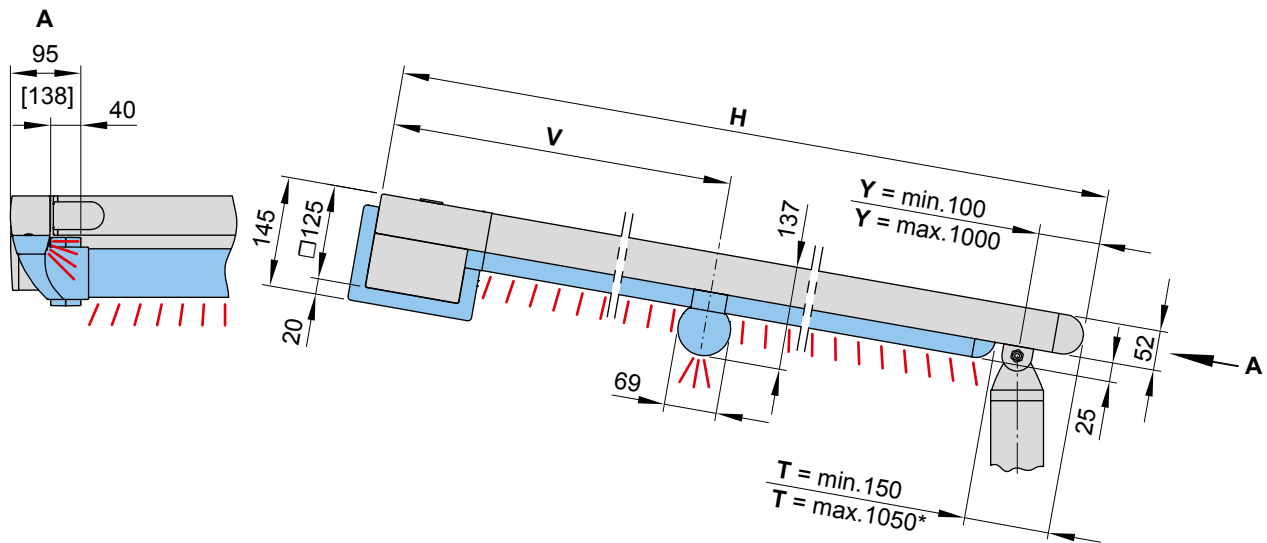
Standard: centred ($V = H \div 2$) / optional: ($V \text{ min.} = 500 \text{ mm}$, $V \text{ max.} = H - 500 \text{ mm}$)

Y = distance from post centre to leading edge of front profile

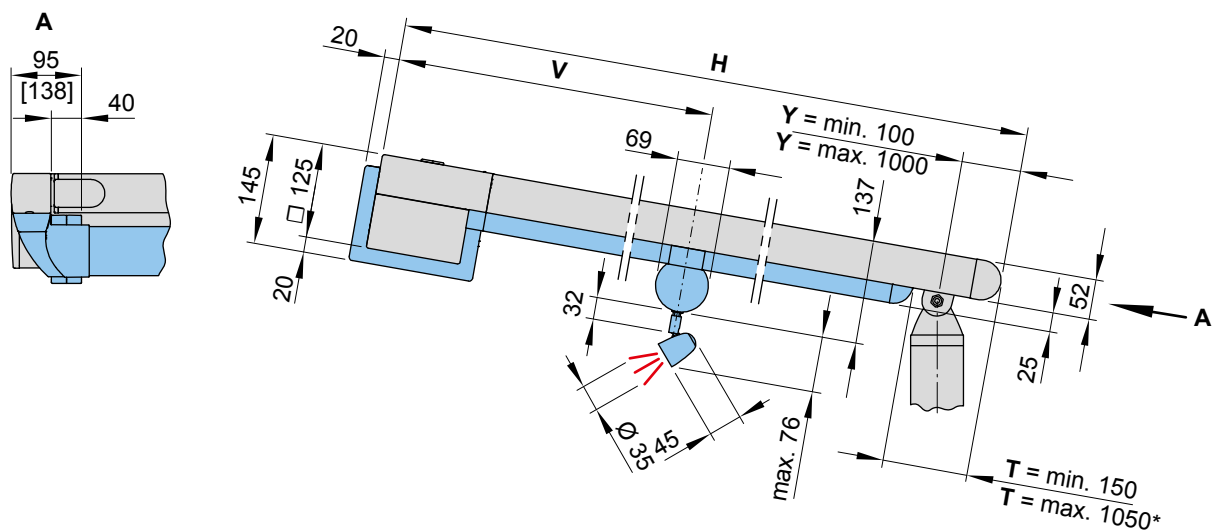
dimensions in mm

Dimension overview with the various lighting options

Option 3: LED-Line in the cover support tube and in the guide tracks, electronic components in the cover support tube



Option 4: LED-Spots in the cover support tube, electronic components in the cover support tube



* = standard dimension

[...] = dimension in the case of lighting and shadeplus / drop valance

H = *order dimension* = extension

T = indent dimension LED-Line

V = distance from the rear of the cassette to the centre of the (rear) cover support tube. In the case of 1 cover support tube, standard: centred ($V = H \div 2$). Optionally this can be stipulated when ordering ($V \text{ min.} = 500 \text{ mm}$, $V \text{ max.} = H - 500 \text{ mm}$)

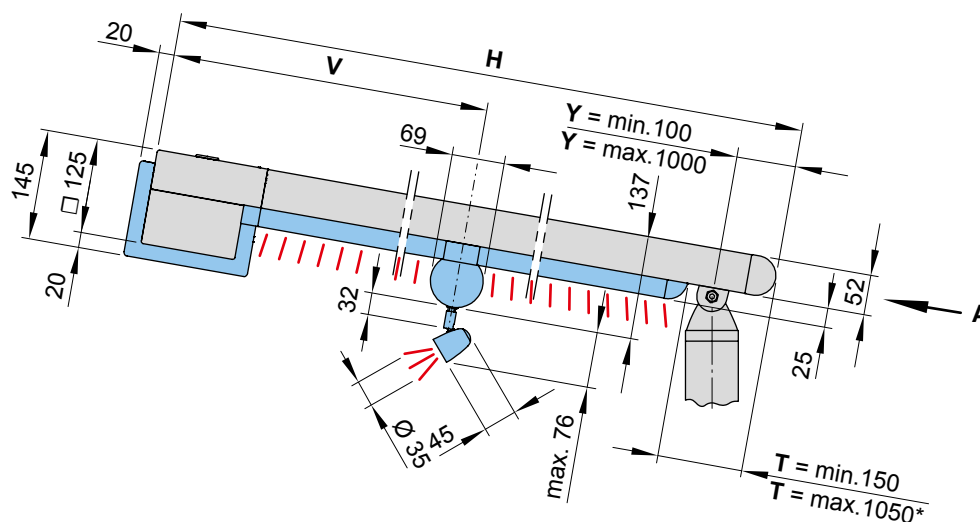
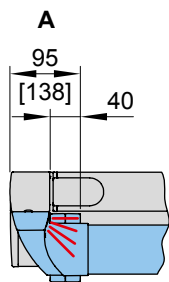
In the case of 2 cover support tubes, $V_{min.} = 500 \text{ mm}$. $V_{max.} = H - 2500 \text{ mm}$

Y = distance from post centre to leading edge of front profile

Z = distance from centre of 1st to centre of second cover support tube

dimensions in mm

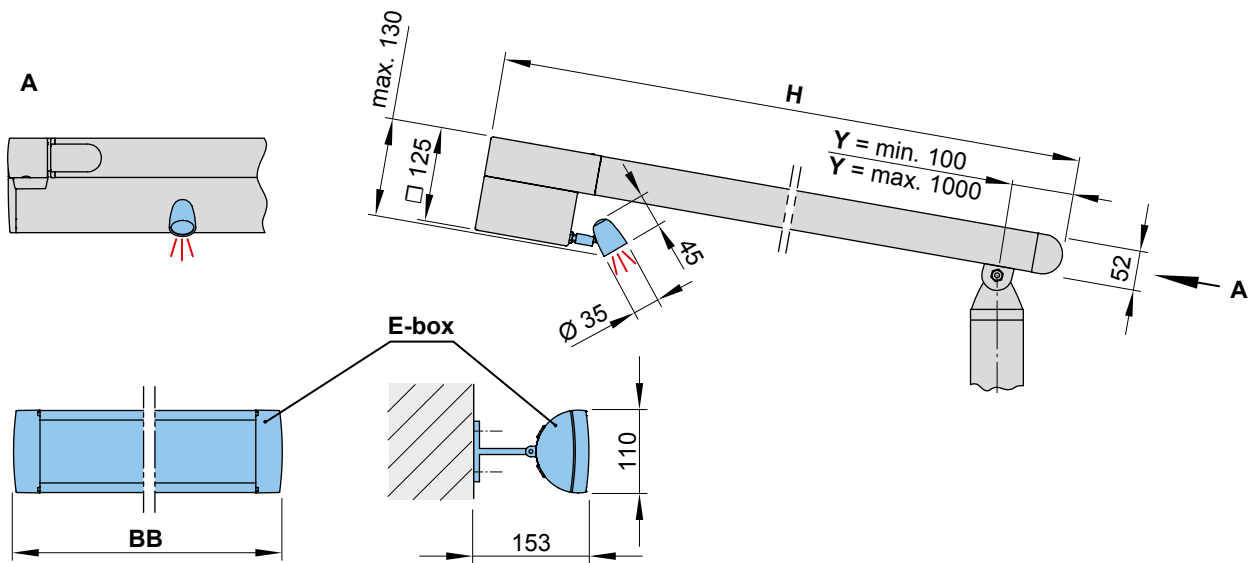
Option 5: LED-Spots in the cover support tube and LED-Line in the guide tracks, electronic components in the cover support tube



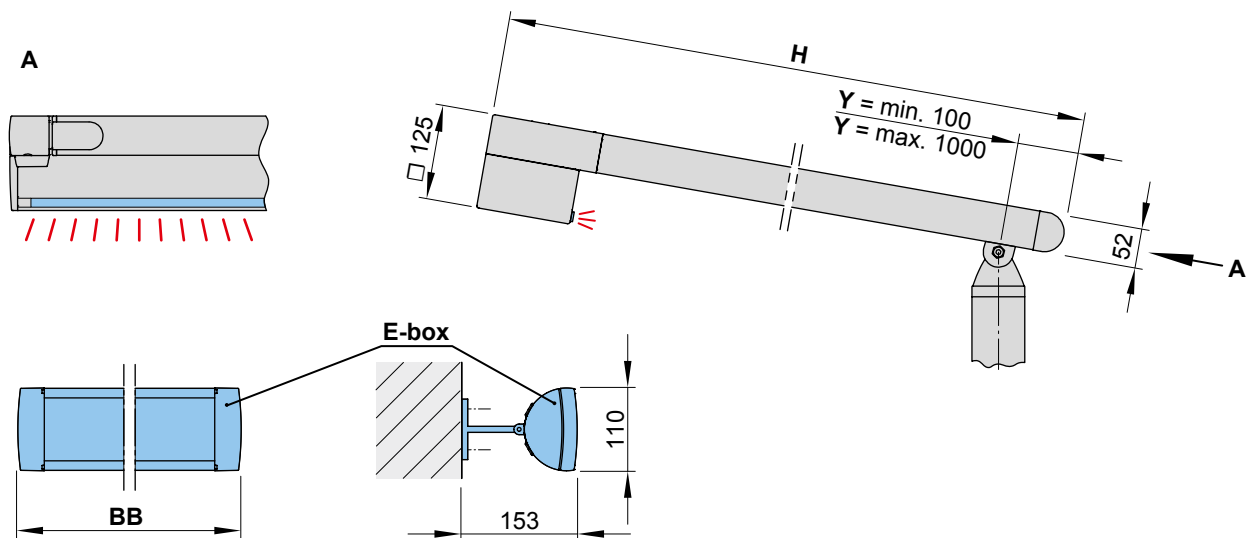
dimensions in mm

Dimension overview with the various lighting options

Option 6: LED-Spots fitted to the cassette (can be combined at will with options 1–9), electronic components in an E box or in the cover support tube



Option 7: LED-Spots in the cassette (can be combined at will with options 1–9), electronic components in an E box or in the cover support tube



BB = order width

E-box = see section "E-box"

H = *order dimension* = extension

Y = distance from post centre to leading edge of front profile

dimensions in mm

01

02

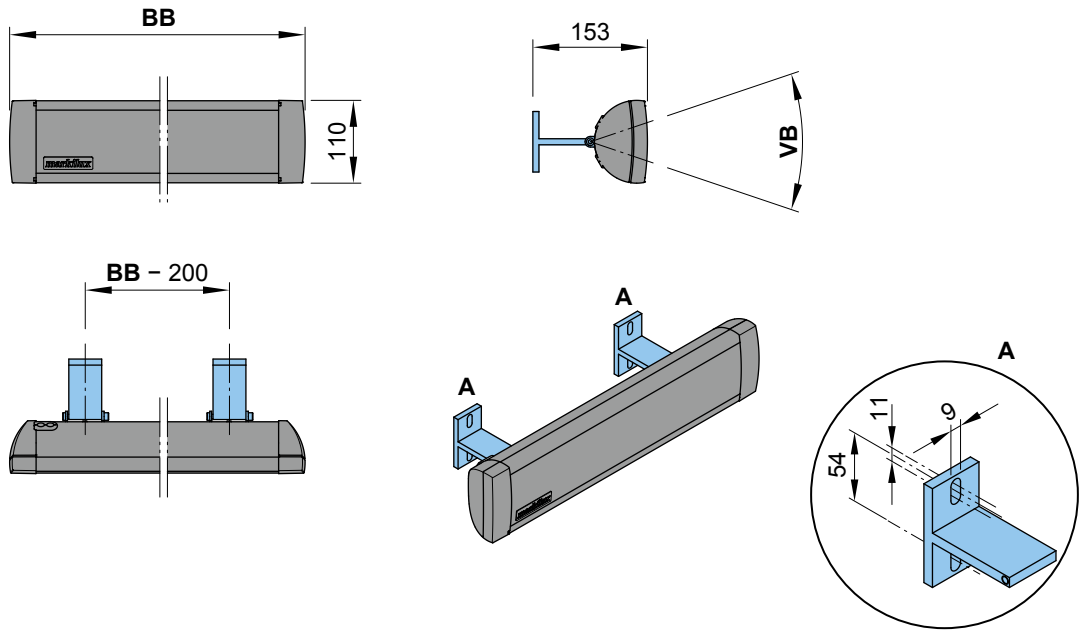
03

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E-box

Overview of dimensions



Overview of dimensions and applications

iwireless technology	RTS (433 MHz)		868 MHz io	
	< 330 cm	≥ 330 cm	< 330 cm	≥ 330 cm
Extension H				
Lighting options				
LED-Line below the guide tracks	E-box M 71850. BB = 500 mm	E-box G 71873. BB = 700 mm	E-box M 71850. BB = 500 mm	
LED-Spots attached to the cassette or LED-Line recessed into the cassette	E-box M 71850. BB = 500 mm			
LED-Line below the guide tracks and LED spot-lights attached to or LED-Line recessed into the cassette	E-box G 71873. BB = 700 mm	E-box L 71874. BB = 1200 mm		

individual use

E-box I 71851.BB = ordered to size

BB = order width

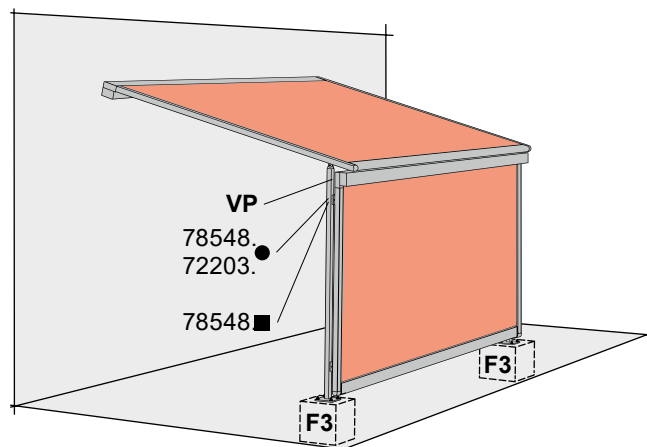
VB = adjustment range

dimensions in mm

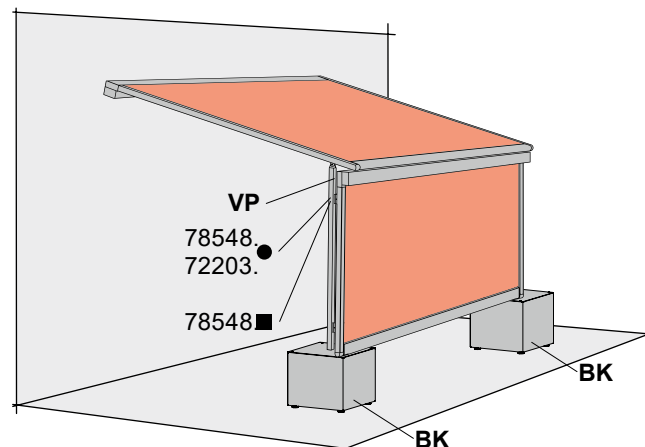
Combination Possibilities

Example with markilux 776 tracfix / 876 tracfix (optionally with panorama window)

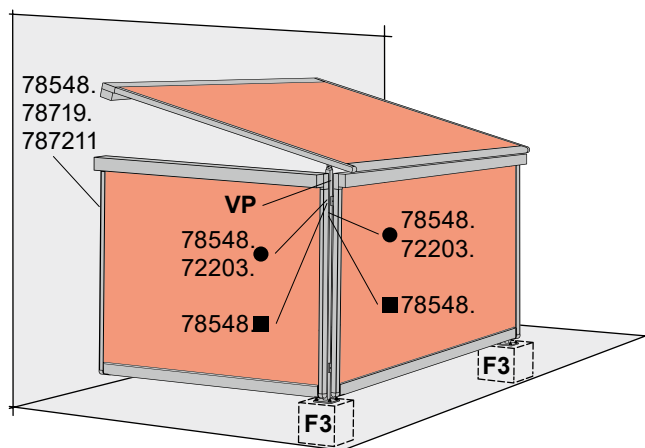
Vertical cassette blind at the front



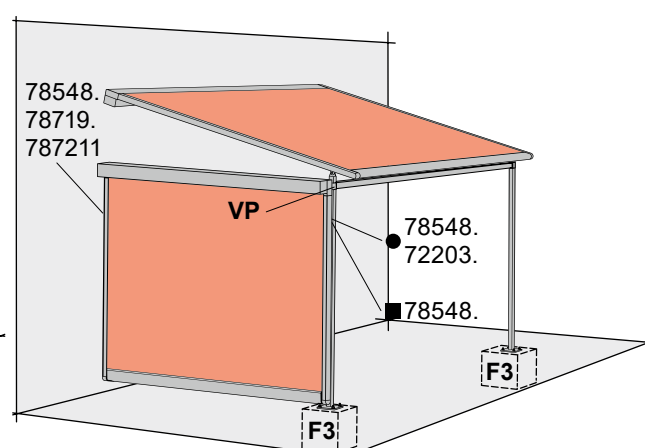
Installation of a vertical cassette blind at the front, support posts with stabilisation boxes



Installation of a vertical cassette blind both to the side and at the front



Installation of a vertical cassette blind to the side and stabilising cross bar between support posts



N.B! The installation of a vertical cassette blind to the side is only allowed, if either a stabilising cross bar or another vertical cassette blind is installed between the support posts.

The combination of markilux pergola compact with vertical cassette blinds is only permitted if two fixed posts are used.

Further possible combinations

- markilux 790 at the side (cover optionally with angled top edge)
- markilux 790 at the front between support posts
- pergola compact fitted to the markilux syncra or markilux construct
- other possible combinations may be available on request

72203. = post fixture guide track (round support post)

78548. = flat track brackets

78719. = additional angled bracket, bearing / gearbox / motor side

787211 = accessories for two angled brackets

BK = stabilisation boxes (600 × 600 × 525 mm)

F3 = concrete foundation – please view section “Concrete foundations”

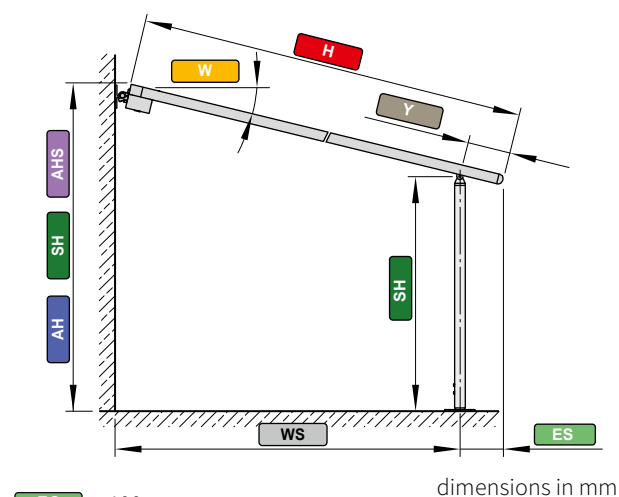
VP = cross bar

● = round post

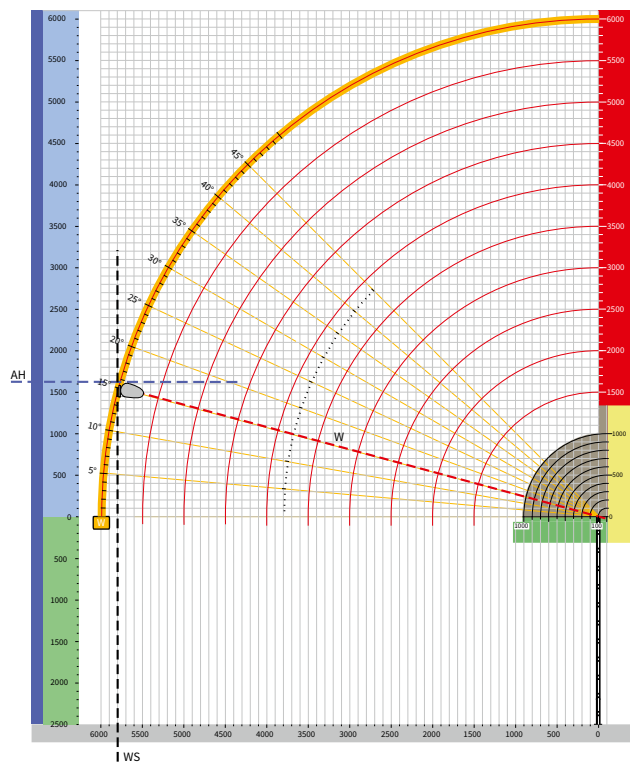
■ = square post

Calculation of the approximate fixture height, examples

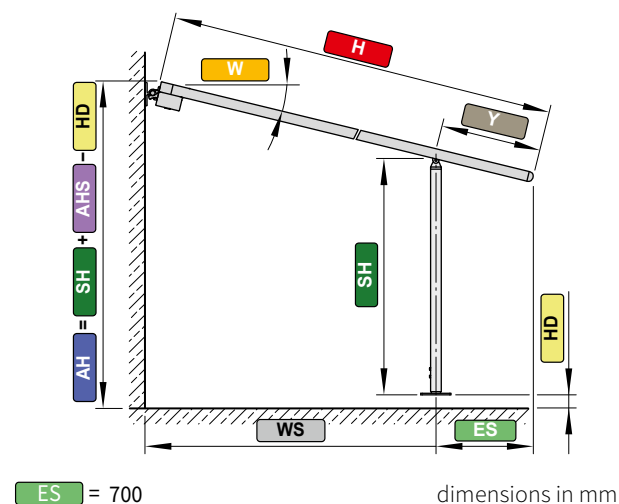
Example 1: front support posts pushed as far forward as possible, $Y = 100$ mm



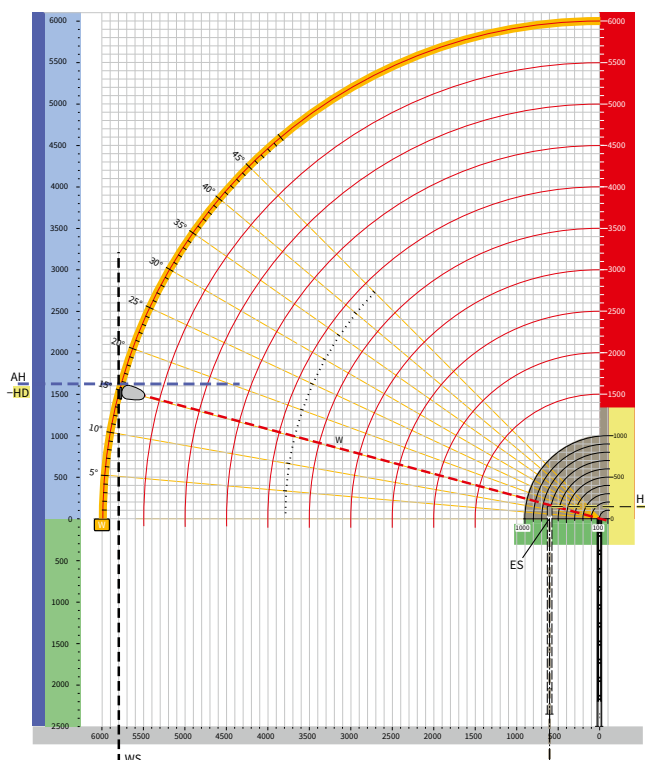
ES	= 100
W	= 15°
H	= 6000
WS	= 5800
Y	= 100
SH	= 2500
AHS	= 1620
AH	= SH + AHS = 2500 + 1620 = 4120



Example 2: front support posts pushed back, $Y \geq 100$ mm and ≤ 1000 mm



ES	= 700
W	= 15°
H	= 6000
WS	= 5200
Y	= 700
HD	= 130
SH	= 2500
AHS	= 1620
AH	= SH + AHS - HD = 2500 + 1620 - 130 = 3990



ES = end of the guide track – centre of support post

W = pitch

H = extension

WS = distance from wall \leftrightarrow support post

Y = distance from post centre to leading edge of front profile

HD = difference to the fixture height

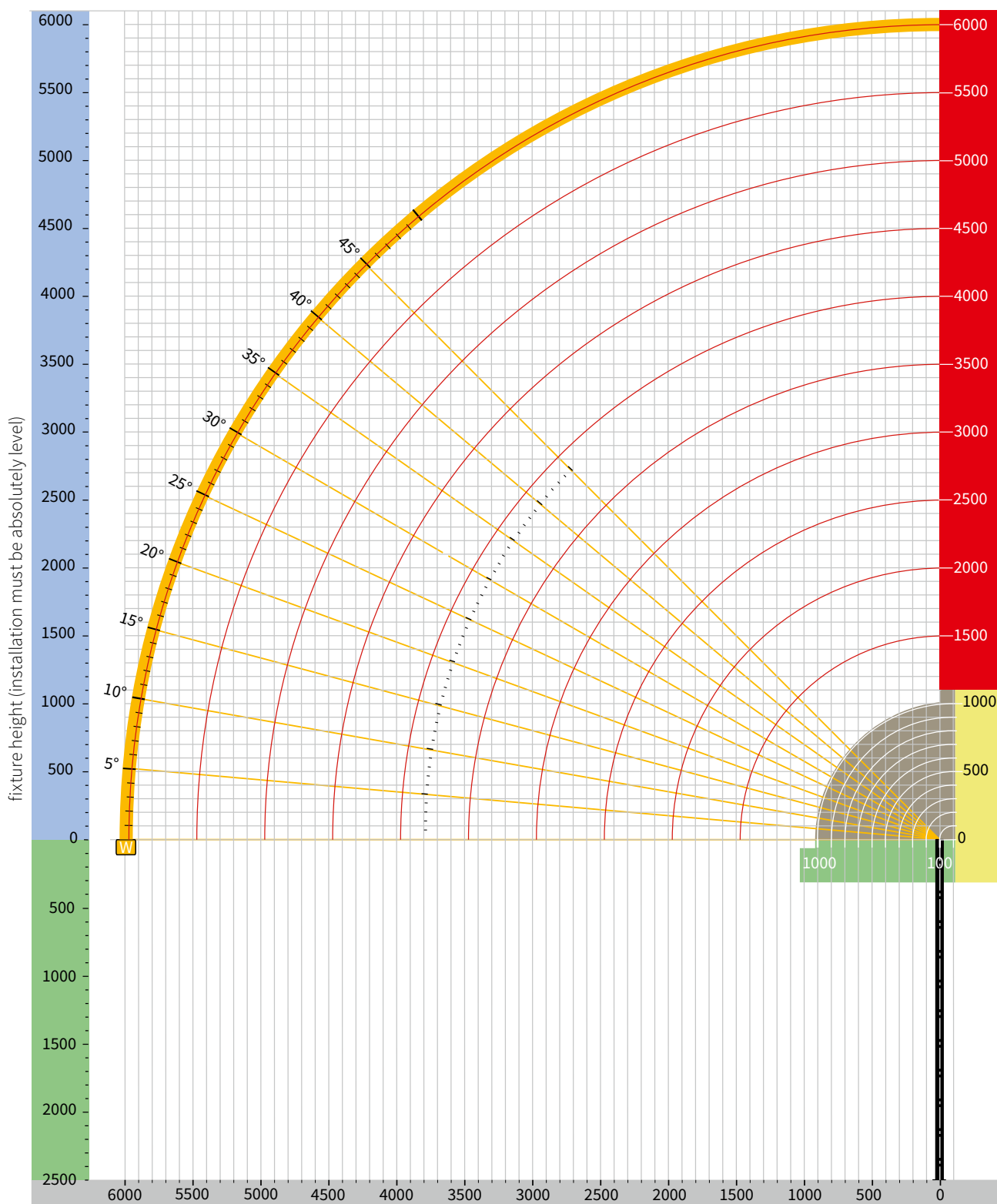
SH = support post height, standard 2500 mm

AHS = fixture height from the top edge of the support post

AH = fixture height

Calculation of the approximate fixture height

Drawing template



N.B! An on-line tool to calculate the installation measurements can be found in the protected area of the website, markiluxPRO.

dimensions in mm

01

02

03

04

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